



UNIVERSITAT
POLITÈCNICA
DE VALÈNCIA



ETS INGENIEROS DE CAMINOS,
CANALES Y PUERTOS

MEDICIONES

Estudio de mejora del enlace de la V-23, en su P.K. 4+200,
con la A-23 y la N-340, en el municipio de Sagunt (València)

Presentado por

Ruano Cachinero, Carlos

Para la obtención del

Máster en Ingeniería de Caminos, Canales y Puertos

Curso: 2018/2019

Fecha: Valencia, junio 2019

Tutor: Ferrer Pérez, Vicente Melchor

Cotutor: Camacho Torregrosa, Francisco Javier



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POLITÈCNICA
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ETS INGENIEROS DE CAMINOS,
CANALES Y PUERTOS

MOVIMIENTO DE TIERRAS

Alineación: Glorieta

| P.K. | Área de desmonte (metros cuadrados) | Volumen de desmonte (metros cúbicos) | Volumen reutilizable (metros cúbicos) | Área de terraplén (metros cuadrados) | Volumen de terraplén (metros cúbicos) | Vol. desmonte acumul. (metros cúbicos) | Vol. reutilizable acumul. (metros cúbicos) | Vol. terraplén acumul. (metros cúbicos) | Vol. neto acumul. (pies cúbicos) |
|-------------|--|---|--|---|--|---|---|--|---|
| 0+000.000 | 382.09 | 0 | 0 | 3.53 | 0 | 0 | 0 | 0 | 0 |
| 0+020.000 | 328.15 | 6492.93 | 6492.93 | 0.89 | 27.65 | 6492.93 | 6492.93 | 27.65 | 6465.27 |
| 0+040.000 | 289.47 | 5466.07 | 5466.07 | 7.87 | 50.67 | 11959 | 11959 | 78.32 | 11880.67 |
| 0+060.000 | 264.12 | 4871.4 | 4871.4 | 0.22 | 44.9 | 16830.39 | 16830.39 | 123.22 | 16707.17 |
| 0+080.000 | 178.67 | 3985.39 | 3985.39 | 0.47 | 3.82 | 20815.79 | 20815.79 | 127.04 | 20688.75 |
| 0+100.000 | 205.27 | 3531.74 | 3531.74 | 0.46 | 5.12 | 24347.53 | 24347.53 | 132.16 | 24215.37 |
| 0+120.000 | 284.71 | 4384.23 | 4384.23 | 0.29 | 4.09 | 28731.76 | 28731.76 | 136.25 | 28595.51 |
| 0+140.000 | 344.38 | 5536.52 | 5536.52 | 0.74 | 5.61 | 34268.28 | 34268.28 | 141.86 | 34126.42 |
| 0+160.000 | 397.16 | 6580.08 | 6580.08 | 6.3 | 48.69 | 40848.36 | 40848.36 | 190.55 | 40657.8 |
| 0+180.000 | 464.53 | 7988.49 | 7988.49 | 10.87 | 107.29 | 48836.85 | 48836.85 | 297.84 | 48539 |
| 0+200.000 | 409.49 | 8575.11 | 8575.11 | 0 | 62.64 | 57411.95 | 57411.95 | 360.48 | 57051.47 |
| 0+220.000 | 239.55 | 6396.87 | 6396.87 | 11.05 | 134.75 | 63808.83 | 63808.83 | 495.23 | 63313.6 |
| 0+240.000 | 207.87 | 4222.54 | 4222.54 | 0.47 | 137.84 | 68031.37 | 68031.37 | 633.07 | 67398.29 |
| 0+260.000 | 188.41 | 3707.52 | 3707.52 | 3.93 | 47.01 | 71738.88 | 71738.88 | 680.08 | 71058.8 |
| 0+267.035 | 201.03 | 1264.49 | 1264.49 | 13.98 | 75.52 | 73003.37 | 73003.37 | 755.6 | 72247.77 |
| 0+280.000 | 305.86 | 3140.08 | 3140.08 | 0.12 | 111.19 | 76143.45 | 76143.45 | 866.79 | 75276.66 |
| 0+300.000 | 287.99 | 5757.29 | 5757.29 | 0.5 | 4.11 | 81900.74 | 81900.74 | 870.89 | 81029.84 |
| 0+320.000 | 265.27 | 5244.92 | 5244.92 | 0.33 | 5.71 | 87145.66 | 87145.66 | 876.6 | 86269.06 |
| 0+340.000 | 207.99 | 4385.75 | 4385.75 | 0.02 | 2.54 | 91531.4 | 91531.4 | 879.14 | 90652.27 |
| 0+360.000 | 169.7 | 3430.64 | 3430.64 | 0.57 | 4.11 | 94962.04 | 94962.04 | 883.25 | 94078.8 |
| 0+380.000 | 161.59 | 3024.14 | 3024.14 | 3.03 | 24.41 | 97986.18 | 97986.18 | 907.65 | 97078.53 |
| 0+400.000 | 143.28 | 2836.07 | 2836.07 | 2.59 | 38.23 | 100822.25 | 100822.25 | 945.88 | 99876.37 |
| 0+420.000 | 105.58 | 2324.1 | 2324.1 | 2.33 | 33.64 | 103146.36 | 103146.36 | 979.52 | 102166.83 |
| 0+440.000 | 108.49 | 1998.18 | 1998.18 | 7.19 | 65.01 | 105144.54 | 105144.54 | 1044.53 | 104100 |
| 0+460.000 | 66.99 | 1643.75 | 1643.75 | 19.64 | 200.07 | 106788.28 | 106788.28 | 1244.6 | 105543.68 |
| 0+480.000 | 170.61 | 2231.9 | 2231.9 | 1.98 | 164.15 | 109020.18 | 109020.18 | 1408.75 | 107611.43 |
| 0+500.000 | 219.08 | 3670.08 | 3670.08 | 0.53 | 16.68 | 112690.26 | 112690.26 | 1425.43 | 111264.83 |
| 0+520.000 | 331.1 | 5219.1 | 5219.1 | 0 | 3.52 | 117909.36 | 117909.36 | 1428.95 | 116480.41 |
| 0+534.071 | 379 | 4711.98 | 4711.98 | 0.16 | 1.41 | 122621.35 | 122621.35 | 1430.36 | 121190.99 |

Alineación: Ramal EG

| P.K. | Área de desmonte (metros cuadrados) | Volumen de desmonte (metros cúbicos) | Volumen reutilizable (metros cúbicos) | Área de terraplén (metros cuadrados) | Volumen de terraplén (metros cúbicos) | Vol. desmonte acumul. (metros cúbicos) | Vol. reutilizable acumul. (metros cúbicos) | Vol. terraplén acumul. (metros cúbicos) | Vol. neto acumul. (pies cúbicos) |
|-------------|--|---|--|---|--|---|---|--|---|
| 0+000.000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0+020.000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0+040.000 | 19.54 | 195.38 | 195.38 | 0 | 0 | 195.38 | 195.38 | 0 | 195.38 |
| 0+060.000 | 87.26 | 1067.99 | 1067.99 | 0 | 0 | 1263.37 | 1263.37 | 0 | 1263.37 |
| 0+080.000 | 130.47 | 2177.34 | 2177.34 | 0 | 0 | 3440.71 | 3440.71 | 0 | 3440.71 |
| 0+100.000 | 185.79 | 3162.65 | 3162.65 | 0 | 0 | 6603.36 | 6603.36 | 0 | 6603.36 |
| 0+120.000 | 229.25 | 4150.41 | 4150.41 | 0 | 0 | 10753.77 | 10753.77 | 0 | 10753.77 |
| 0+140.000 | 0 | 2292.49 | 2292.49 | 0 | 0 | 13046.25 | 13046.25 | 0 | 13046.25 |
| 0+146.108 | 0 | 0 | 0 | 0 | 0 | 13046.25 | 13046.25 | 0 | 13046.25 |

Alineación: Ramal EW

| P.K. | Área de desmonte (metros cuadrados) | Volumen de desmonte (metros cúbicos) | Volumen reutilizable (metros cúbicos) | Área de terraplén (metros cuadrados) | Volumen de terraplén (metros cúbicos) | Vol. desmonte acumul. (metros cúbicos) | Vol. reutilizable acumul. (metros cúbicos) | Vol. terraplén acumul. (metros cúbicos) | Vol. neto acumul. (pies cúbicos) |
|-------------|--|---|--|---|--|---|---|--|---|
| 0+000.000 | 31.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0+020.000 | 36.46 | 679.56 | 679.56 | 0 | 0 | 679.56 | 679.56 | 0 | 679.56 |
| 0+040.000 | 42.56 | 790.21 | 790.21 | 0 | 0 | 1469.77 | 1469.77 | 0 | 1469.77 |
| 0+060.000 | 46.27 | 888.33 | 888.33 | 0 | 0 | 2358.1 | 2358.1 | 0 | 2358.1 |
| 0+080.000 | 42.04 | 883.14 | 883.14 | 0 | 0 | 3241.24 | 3241.24 | 0 | 3241.24 |
| 0+100.000 | 36.72 | 787.62 | 787.62 | 0 | 0 | 4028.86 | 4028.86 | 0 | 4028.86 |
| 0+120.000 | 35.78 | 725.02 | 725.02 | 0 | 0 | 4753.88 | 4753.88 | 0 | 4753.88 |
| 0+140.000 | 39.45 | 752.34 | 752.34 | 0 | 0 | 5506.22 | 5506.22 | 0 | 5506.22 |
| 0+160.000 | 50.14 | 895.96 | 895.96 | 0 | 0 | 6402.18 | 6402.18 | 0 | 6402.18 |
| 0+166.377 | 57.66 | 343.7 | 343.7 | 0 | 0 | 6745.88 | 6745.88 | 0 | 6745.88 |
| 0+180.000 | 68.62 | 860.17 | 860.17 | 0 | 0 | 7606.04 | 7606.04 | 0 | 7606.04 |
| 0+200.000 | 90.67 | 1592.92 | 1592.92 | 0 | 0 | 9198.96 | 9198.96 | 0 | 9198.96 |

| | | | | | | | | | |
|-----------|--------|---------|---------|--------|---------|----------|----------|----------|----------|
| 0+220.000 | 115.06 | 2057.32 | 2057.32 | 0 | 0 | 11256.29 | 11256.29 | 0 | 11256.29 |
| 0+224.727 | 124.27 | 565.64 | 565.64 | 0 | 0 | 11821.93 | 11821.93 | 0 | 11821.93 |
| 0+240.000 | 145.75 | 2062.1 | 2062.1 | 0 | 0 | 13884.03 | 13884.03 | 0 | 13884.03 |
| 0+260.000 | 180.79 | 3265.45 | 3265.45 | 0 | 0 | 17149.48 | 17149.48 | 0 | 17149.48 |
| 0+280.000 | 213.21 | 3940.06 | 3940.06 | 0 | 0 | 21089.54 | 21089.54 | 0 | 21089.54 |
| 0+283.077 | 217.13 | 662.09 | 662.09 | 0 | 0 | 21751.63 | 21751.63 | 0 | 21751.63 |
| 0+300.000 | 255.71 | 4000.97 | 4000.97 | 0 | 0 | 25752.59 | 25752.59 | 0 | 25752.59 |
| 0+320.000 | 286 | 5417.15 | 5417.15 | 0 | 0 | 31169.75 | 31169.75 | 0 | 31169.75 |
| 0+340.000 | 322.17 | 6081.7 | 6081.7 | 0 | 0 | 37251.44 | 37251.44 | 0 | 37251.44 |
| 0+360.000 | 347.4 | 6695.62 | 6695.62 | 0 | 0 | 43947.07 | 43947.07 | 0 | 43947.07 |
| 0+380.000 | 357.88 | 7052.76 | 7052.76 | 0 | 0 | 50999.83 | 50999.83 | 0 | 50999.83 |
| 0+400.000 | 114.42 | 4723.02 | 4723.02 | 0 | 0 | 55722.85 | 55722.85 | 0 | 55722.85 |
| 0+420.000 | 102.52 | 2169.38 | 2169.38 | 0 | 0 | 57892.23 | 57892.23 | 0 | 57892.23 |
| 0+440.000 | 93.7 | 1962.2 | 1962.2 | 0 | 0 | 59854.43 | 59854.43 | 0 | 59854.43 |
| 0+460.000 | 82.83 | 1765.37 | 1765.37 | 0 | 0 | 61619.8 | 61619.8 | 0 | 61619.8 |
| 0+480.000 | 102.99 | 1858.2 | 1858.2 | 0 | 0 | 63477.99 | 63477.99 | 0 | 63477.99 |
| 0+500.000 | 166.31 | 2692.99 | 2692.99 | 0 | 0 | 66170.98 | 66170.98 | 0 | 66170.98 |
| 0+520.000 | 80.81 | 2471.27 | 2471.27 | 0.11 | 1.12 | 68642.25 | 68642.25 | 1.12 | 68641.13 |
| 0+540.000 | 19.07 | 998.86 | 998.86 | 0 | 1.12 | 69641.11 | 69641.11 | 2.23 | 69638.88 |
| 0+560.000 | 0 | 190.73 | 190.73 | 19.17 | 191.69 | 69831.84 | 69831.84 | 193.92 | 69637.92 |
| 0+580.000 | 0 | 0 | 0 | 32 | 511.67 | 69831.84 | 69831.84 | 705.59 | 69126.25 |
| 0+600.000 | 0 | 0 | 0 | 37.58 | 695.82 | 69831.84 | 69831.84 | 1401.41 | 68430.43 |
| 0+620.000 | 0 | 0 | 0 | 42.87 | 804.51 | 69831.84 | 69831.84 | 2205.91 | 67625.93 |
| 0+635.677 | 0 | 0 | 0 | 49.9 | 727.19 | 69831.84 | 69831.84 | 2933.1 | 66898.74 |
| 0+640.000 | 0 | 0 | 0 | 50.21 | 216.41 | 69831.84 | 69831.84 | 3149.52 | 66682.33 |
| 0+660.000 | 0 | 0 | 0 | 71.86 | 1220.78 | 69831.84 | 69831.84 | 4370.29 | 65461.55 |
| 0+680.000 | 0 | 0 | 0 | 86.35 | 1576.43 | 69831.84 | 69831.84 | 5946.72 | 63885.12 |
| 0+700.000 | 0 | 0 | 0 | 48.71 | 1344.92 | 69831.84 | 69831.84 | 7291.64 | 62540.2 |
| 0+708.820 | 0 | 0 | 0 | 47.97 | 426.44 | 69831.84 | 69831.84 | 7718.08 | 62113.76 |
| 0+720.000 | 0 | 0 | 0 | 48.95 | 541.93 | 69831.84 | 69831.84 | 8260 | 61571.84 |
| 0+726.641 | 0 | 0 | 0 | 50.04 | 328.76 | 69831.84 | 69831.84 | 8588.76 | 61243.08 |
| 0+740.000 | 0 | 0 | 0 | 114.73 | 1102.49 | 69831.84 | 69831.84 | 9691.25 | 60140.59 |
| 0+744.461 | 0 | 0 | 0 | 106.48 | 493.44 | 69831.84 | 69831.84 | 10184.68 | 59647.16 |
| 0+760.000 | 0 | 0 | 0 | 95.49 | 1572.36 | 69831.84 | 69831.84 | 11757.04 | 58074.8 |
| 0+780.000 | 0 | 0 | 0 | 67.56 | 1632.71 | 69831.84 | 69831.84 | 13389.75 | 56442.09 |
| 0+800.000 | 0 | 0 | 0 | 60.39 | 1279.88 | 69831.84 | 69831.84 | 14669.63 | 55162.21 |
| 0+817.604 | 0 | 0 | 0 | 26.2 | 762.17 | 69831.84 | 69831.84 | 15431.8 | 54400.04 |
| 0+820.000 | 0 | 0 | 0 | 26.38 | 62.99 | 69831.84 | 69831.84 | 15494.78 | 54337.06 |
| 0+840.000 | 0 | 0 | 0 | 29.65 | 560.31 | 69831.84 | 69831.84 | 16055.09 | 53776.75 |
| 0+860.000 | 0 | 0 | 0 | 76.74 | 1063.96 | 69831.84 | 69831.84 | 17119.05 | 52712.79 |
| 0+880.000 | 4.03 | 40.28 | 40.28 | 4.73 | 814.76 | 69872.13 | 69872.13 | 17933.81 | 51938.32 |
| 0+900.000 | 37.32 | 413.44 | 413.44 | 0 | 47.34 | 70285.57 | 70285.57 | 17981.15 | 52304.41 |
| 0+920.000 | 36.85 | 741.63 | 741.63 | 0 | 0 | 71027.2 | 71027.2 | 17981.15 | 53046.04 |
| 0+940.000 | 31.88 | 687.24 | 687.24 | 0 | 0 | 71714.43 | 71714.43 | 17981.15 | 53733.28 |
| 0+960.000 | 40.59 | 724.64 | 724.64 | 0 | 0 | 72439.08 | 72439.08 | 17981.15 | 54457.92 |
| 0+980.000 | 32.41 | 729.95 | 729.95 | 0 | 0 | 73169.03 | 73169.03 | 17981.15 | 55187.87 |
| 1+000.000 | 21.57 | 539.82 | 539.82 | 0 | 0 | 73708.85 | 73708.85 | 17981.15 | 55727.7 |
| 1+020.000 | 15.54 | 371.16 | 371.16 | 0 | 0 | 74080.01 | 74080.01 | 17981.15 | 56098.85 |
| 1+040.000 | 8.04 | 235.78 | 235.78 | 0 | 0 | 74315.79 | 74315.79 | 17981.15 | 56334.64 |
| 1+060.000 | 4.5 | 125.35 | 125.35 | 0.07 | 0.72 | 74441.14 | 74441.14 | 17981.88 | 56459.26 |
| 1+080.000 | 0.43 | 49.31 | 49.31 | 1.1 | 11.74 | 74490.45 | 74490.45 | 17993.62 | 56496.83 |
| 1+094.181 | 0 | 3.08 | 3.08 | 1.34 | 17.32 | 74493.53 | 74493.53 | 18010.94 | 56482.59 |
| 1+100.000 | 0 | 0 | 0 | 1.03 | 6.9 | 74493.53 | 74493.53 | 18017.83 | 56475.7 |
| 1+120.000 | 1.14 | 11.35 | 11.35 | 0.12 | 11.56 | 74504.88 | 74504.88 | 18029.39 | 56475.49 |
| 1+120.269 | 1.22 | 0.32 | 0.32 | 0.1 | 0.03 | 74505.2 | 74505.2 | 18029.42 | 56475.78 |
| 1+140.000 | 13.11 | 139.65 | 139.65 | 0 | 0.98 | 74644.85 | 74644.85 | 18030.4 | 56614.45 |
| 1+146.356 | 14.7 | 87.21 | 87.21 | 0 | 0 | 74732.06 | 74732.06 | 18030.4 | 56701.66 |
| 1+160.000 | 14.47 | 198.99 | 198.99 | 0 | 0 | 74931.05 | 74931.05 | 18030.4 | 56900.65 |
| 1+180.000 | 15.78 | 302.51 | 302.51 | 0 | 0 | 75233.56 | 75233.56 | 18030.4 | 57203.16 |
| 1+200.000 | 6.87 | 226.47 | 226.47 | 0 | 0 | 75460.03 | 75460.03 | 18030.4 | 57429.64 |
| 1+220.000 | 7.83 | 146.98 | 146.98 | 0 | 0 | 75607.01 | 75607.01 | 18030.4 | 57576.62 |
| 1+240.000 | 29.63 | 374.63 | 374.63 | 0 | 0 | 75981.65 | 75981.65 | 18030.4 | 57951.25 |
| 1+260.000 | 31.67 | 612.98 | 612.98 | 0 | 0 | 76594.63 | 76594.63 | 18030.4 | 58564.23 |
| 1+280.000 | 29.21 | 608.74 | 608.74 | 0 | 0 | 77203.37 | 77203.37 | 18030.4 | 59172.97 |
| 1+300.000 | 28.08 | 572.84 | 572.84 | 0 | 0 | 77776.21 | 77776.21 | 18030.4 | 59745.81 |
| 1+320.000 | 25.08 | 531.59 | 531.59 | 0 | 0 | 78307.8 | 78307.8 | 18030.4 | 60277.4 |
| 1+340.000 | 20.84 | 459.19 | 459.19 | 0 | 0 | 78766.99 | 78766.99 | 18030.4 | 60736.59 |
| 1+360.000 | 41.6 | 624.36 | 624.36 | 0 | 0 | 79391.35 | 79391.35 | 18030.4 | 61360.95 |
| 1+380.000 | 261.33 | 3029.28 | 3029.28 | 0 | 0 | 82420.63 | 82420.63 | 18030.4 | 64390.23 |
| 1+400.000 | 41.43 | 3027.54 | 3027.54 | 0 | 0 | 85448.17 | 85448.17 | 18030.4 | 67417.77 |
| 1+420.000 | 40.22 | 816.42 | 816.42 | 0 | 0 | 86264.58 | 86264.58 | 18030.4 | 68234.19 |
| 1+439.127 | 36.24 | 731.22 | 731.22 | 0 | 0 | 86995.8 | 86995.8 | 18030.4 | 68965.4 |
| 1+440.000 | 36.45 | 31.74 | 31.74 | 0 | 0 | 87027.54 | 87027.54 | 18030.4 | 68997.15 |
| 1+460.000 | 36.44 | 728.86 | 728.86 | 0 | 0 | 87756.41 | 87756.41 | 18030.4 | 69726.01 |
| 1+480.000 | 34.98 | 715.27 | 715.27 | 0 | 0 | 88471.67 | 88471.67 | 18030.4 | 70441.28 |
| 1+500.000 | 37.65 | 726.75 | 726.75 | 0 | 0 | 89198.43 | 89198.43 | 18030.4 | 71168.03 |
| 1+515.182 | 37.16 | 567.21 | 567.21 | 0 | 0 | 89765.64 | 89765.64 | 18030.4 | 71735.24 |
| 1+520.000 | 38.13 | 181.35 | 181.35 | 0 | 0 | 89946.99 | 89946.99 | 18030.4 | 71916.59 |
| 1+540.000 | 40.11 | 781.36 | 781.36 | 0 | 0 | 90728.35 | 90728.35 | 18030.4 | 72697.95 |
| 1+560.000 | 42.31 | 824.42 | 824.42 | 0 | 0 | 91552.77 | 91552.77 | 18030.4 | 73522.37 |

| | | | | | | | | | |
|-----------|-------|--------|--------|---|---|----------|----------|---------|----------|
| 1+563.558 | 46.69 | 158.35 | 158.35 | 0 | 0 | 91711.12 | 91711.12 | 18030.4 | 73680.72 |
| 1+580.000 | 47.88 | 778.28 | 778.28 | 0 | 0 | 92489.4 | 92489.4 | 18030.4 | 74459.01 |
| 1+600.000 | 47.26 | 951.64 | 951.64 | 0 | 0 | 93441.05 | 93441.05 | 18030.4 | 75410.65 |
| 1+611.935 | 45.06 | 550.56 | 550.56 | 0 | 0 | 93991.61 | 93991.61 | 18030.4 | 75961.21 |
| 1+620.000 | 45.57 | 365.46 | 365.46 | 0 | 0 | 94357.06 | 94357.06 | 18030.4 | 76326.67 |
| 1+640.000 | 40.51 | 862.15 | 862.15 | 0 | 0 | 95219.22 | 95219.22 | 18030.4 | 77188.82 |
| 1+660.000 | 32.77 | 734.82 | 734.82 | 0 | 0 | 95954.04 | 95954.04 | 18030.4 | 77923.64 |
| 1+680.000 | 28.18 | 609.47 | 609.47 | 0 | 0 | 96563.51 | 96563.51 | 18030.4 | 78533.12 |
| 1+687.990 | 25.74 | 215.39 | 215.39 | 0 | 0 | 96778.9 | 96778.9 | 18030.4 | 78748.5 |
| 1+697.996 | 23.36 | 245.62 | 245.62 | 0 | 0 | 97024.52 | 97024.52 | 18030.4 | 78994.12 |

Alineación: Ramal GE

| P.K. | Área de desmonte (metros cuadrados) | Volumen de desmonte (metros cúbicos) | Volumen reutilizable (metros cúbicos) | Área de terraplén (metros cuadrados) | Volumen de terraplén (metros cúbicos) | Vol. desmonte acumul. (metros cúbicos) | Vol. reutilizable acumul. (metros cúbicos) | Vol. terraplén acumul. (metros cúbicos) | Vol. neto acumul. (pies cúbicos) |
|-----------|-------------------------------------|--------------------------------------|---------------------------------------|--------------------------------------|---------------------------------------|--|--|---|----------------------------------|
| 0+000.000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0+020.000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0+040.000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0+060.000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0+080.000 | 10.39 | 103.95 | 103.95 | 0 | 0 | 103.95 | 103.95 | 0 | 103.95 |
| 0+100.000 | 46.28 | 566.76 | 566.76 | 0 | 0 | 670.7 | 670.7 | 0 | 670.7 |
| 0+120.000 | 75.26 | 1215.4 | 1215.4 | 0 | 0 | 1886.1 | 1886.1 | 0 | 1886.1 |
| 0+140.000 | 18.2 | 934.59 | 934.59 | 0 | 0 | 2820.69 | 2820.69 | 0 | 2820.69 |
| 0+160.000 | 0 | 182 | 182 | 0 | 0 | 3002.7 | 3002.7 | 0 | 3002.69 |
| 0+175.507 | 0 | 0 | 0 | 0 | 0 | 3002.7 | 3002.7 | 0 | 3002.69 |

Alineación: Ramal GW

| P.K. | Área de desmonte (metros cuadrados) | Volumen de desmonte (metros cúbicos) | Volumen reutilizable (metros cúbicos) | Área de terraplén (metros cuadrados) | Volumen de terraplén (metros cúbicos) | Vol. desmonte acumul. (metros cúbicos) | Vol. reutilizable acumul. (metros cúbicos) | Vol. terraplén acumul. (metros cúbicos) | Vol. neto acumul. (pies cúbicos) |
|-----------|-------------------------------------|--------------------------------------|---------------------------------------|--------------------------------------|---------------------------------------|--|--|---|----------------------------------|
| 0+000.000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0+020.000 | 316.76 | 3167.6 | 3167.6 | 0 | 0 | 3167.6 | 3167.6 | 0 | 3167.6 |
| 0+040.000 | 370.95 | 6877.05 | 6877.05 | 0 | 0 | 10044.65 | 10044.65 | 0 | 10044.65 |
| 0+060.000 | 303.96 | 6749.06 | 6749.06 | 0 | 0 | 16793.72 | 16793.72 | 0 | 16793.72 |
| 0+080.000 | 206.57 | 5105.31 | 5105.31 | 0 | 0 | 21899.02 | 21899.02 | 0 | 21899.02 |
| 0+100.000 | 85.68 | 2922.48 | 2922.48 | 0 | 0 | 24821.5 | 24821.5 | 0 | 24821.5 |
| 0+120.000 | 63.92 | 1496.03 | 1496.03 | 0 | 0 | 26317.53 | 26317.53 | 0 | 26317.53 |
| 0+140.000 | 34.7 | 986.27 | 986.27 | 0 | 0 | 27303.8 | 27303.8 | 0 | 27303.8 |
| 0+160.000 | 0 | 347.02 | 347.02 | 0 | 0 | 27650.83 | 27650.83 | 0 | 27650.83 |
| 0+180.000 | 0 | 0 | 0 | 0 | 0 | 27650.83 | 27650.83 | 0 | 27650.83 |
| 0+200.000 | 0 | 0 | 0 | 0 | 0 | 27650.83 | 27650.83 | 0 | 27650.83 |
| 0+220.000 | 0 | 0 | 0 | 0 | 0 | 27650.83 | 27650.83 | 0 | 27650.83 |
| 0+240.000 | 0 | 0 | 0 | 0 | 0 | 27650.83 | 27650.83 | 0 | 27650.83 |
| 0+242.561 | 0 | 0 | 0 | 0 | 0 | 27650.83 | 27650.83 | 0 | 27650.83 |

Alineación: Intersección EG-G

| P.K. | Área de desmonte (metros cuadrados) | Volumen de desmonte (metros cúbicos) | Volumen reutilizable (metros cúbicos) | Área de terraplén (metros cuadrados) | Volumen de terraplén (metros cúbicos) | Vol. desmonte acumul. (metros cúbicos) | Vol. reutilizable acumul. (metros cúbicos) | Vol. terraplén acumul. (metros cúbicos) | Vol. neto acumul. (pies cúbicos) |
|-----------|-------------------------------------|--------------------------------------|---------------------------------------|--------------------------------------|---------------------------------------|--|--|---|----------------------------------|
| 0+000.000 | 169.14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0+014.243 | 200.96 | 2013.64 | 2013.64 | 0 | 0 | 2013.64 | 2013.64 | 0 | 2013.64 |
| 0+020.000 | 173.84 | 821.22 | 821.22 | 0 | 0 | 2834.87 | 2834.87 | 0 | 2834.87 |
| 0+028.485 | 150.59 | 1003.05 | 1003.05 | 0 | 0 | 3837.91 | 3837.91 | 0 | 3837.91 |

Alineación: Intersección EW-EG

| P.K. | Área de desmonte (metros cuadrados) | Volumen de desmonte (metros cúbicos) | Volumen reutilizable (metros cúbicos) | Área de terraplén (metros cuadrados) | Volumen de terraplén (metros cúbicos) | Vol. desmonte acumul. (metros cúbicos) | Vol. reutilizable acumul. (metros cúbicos) | Vol. terraplén acumul. (metros cúbicos) | Vol. neto acumul. (pies cúbicos) |
|-------------|--|---|--|---|--|---|---|--|---|
| 0+000.000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0+020.000 | 74.49 | 720.76 | 720.76 | 0.02 | 0.22 | 720.76 | 720.76 | 0.22 | 720.54 |
| 0+040.000 | 192.43 | 2589.05 | 2589.05 | 0 | 0.22 | 3309.81 | 3309.81 | 0.43 | 3309.38 |
| 0+044.516 | 184.92 | 816.66 | 816.66 | 1.12 | 2.62 | 4126.47 | 4126.47 | 3.05 | 4123.41 |
| 0+060.000 | 90.33 | 2037.53 | 2037.53 | 0 | 8.99 | 6164 | 6164 | 12.04 | 6151.96 |
| 0+080.000 | 61.39 | 1483.87 | 1483.87 | 0 | 0 | 7647.87 | 7647.87 | 12.04 | 7635.83 |
| 0+089.033 | 54.48 | 511.96 | 511.96 | 0 | 0 | 8159.83 | 8159.83 | 12.04 | 8147.79 |

Alineación: Intersección EW-WG

| P.K. | Área de desmonte (metros cuadrados) | Volumen de desmonte (metros cúbicos) | Volumen reutilizable (metros cúbicos) | Área de terraplén (metros cuadrados) | Volumen de terraplén (metros cúbicos) | Vol. desmonte acumul. (metros cúbicos) | Vol. reutilizable acumul. (metros cúbicos) | Vol. terraplén acumul. (metros cúbicos) | Vol. neto acumul. (pies cúbicos) |
|-------------|--|---|--|---|--|---|---|--|---|
| 0+000.000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0+018.592 | 13.33 | 123.34 | 123.34 | 0 | 0 | 123.34 | 123.34 | 0 | 123.34 |
| 0+037.183 | 8.39 | 200.75 | 200.75 | 0 | 0 | 324.09 | 324.09 | 0 | 324.09 |
| 0+040.000 | 7.36 | 22.18 | 22.18 | 0.12 | 0.16 | 346.27 | 346.27 | 0.16 | 346.1 |
| 0+052.616 | 8.62 | 99.15 | 99.15 | 0 | 0.75 | 445.42 | 445.42 | 0.91 | 444.51 |
| 0+068.049 | 9.4 | 137.22 | 137.22 | 0 | 0 | 582.65 | 582.65 | 0.91 | 581.73 |

Alineación: Intersección EW-WS

| P.K. | Área de desmonte (metros cuadrados) | Volumen de desmonte (metros cúbicos) | Volumen reutilizable (metros cúbicos) | Área de terraplén (metros cuadrados) | Volumen de terraplén (metros cúbicos) | Vol. desmonte acumul. (metros cúbicos) | Vol. reutilizable acumul. (metros cúbicos) | Vol. terraplén acumul. (metros cúbicos) | Vol. neto acumul. (pies cúbicos) |
|-------------|--|---|--|---|--|---|---|--|---|
| 0+000.000 | 20.23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0+020.000 | 14.27 | 346.06 | 346.06 | 0 | 0 | 346.06 | 346.06 | 0 | 346.06 |
| 0+040.000 | 11.59 | 259.61 | 259.61 | 0 | 0 | 605.66 | 605.66 | 0 | 605.66 |
| 0+060.000 | 8.26 | 199.46 | 199.46 | 0 | 0 | 805.13 | 805.13 | 0 | 805.13 |
| 0+072.688 | 7.68 | 101.12 | 101.12 | 0 | 0 | 906.25 | 906.25 | 0 | 906.25 |
| 0+080.000 | 7.74 | 56.36 | 56.36 | 0 | 0 | 962.62 | 962.62 | 0 | 962.62 |
| 0+100.000 | 6.15 | 139.2 | 139.2 | 0 | 0 | 1101.82 | 1101.82 | 0 | 1101.82 |
| 0+120.000 | 11.28 | 174.33 | 174.33 | 0 | 0 | 1276.15 | 1276.15 | 0 | 1276.15 |
| 0+140.000 | 0 | 112.73 | 112.73 | 40.4 | 403.95 | 1388.88 | 1388.88 | 403.95 | 984.93 |
| 0+145.375 | 0 | 0 | 0 | 58.04 | 264.57 | 1388.88 | 1388.88 | 668.52 | 720.36 |

Alineación: Intersección G-GE

| P.K. | Área de desmonte (metros cuadrados) | Volumen de desmonte (metros cúbicos) | Volumen reutilizable (metros cúbicos) | Área de terraplén (metros cuadrados) | Volumen de terraplén (metros cúbicos) | Vol. desmonte acumul. (metros cúbicos) | Vol. reutilizable acumul. (metros cúbicos) | Vol. terraplén acumul. (metros cúbicos) | Vol. neto acumul. (pies cúbicos) |
|-------------|--|---|--|---|--|---|---|--|---|
| 0+000.000 | 63.75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0+009.862 | 69.82 | 633.56 | 633.56 | 0 | 0 | 633.56 | 633.56 | 0 | 633.56 |
| 0+019.723 | 80.47 | 717.63 | 717.63 | 0 | 0 | 1351.19 | 1351.19 | 0 | 1351.19 |
| 0+020.000 | 80.85 | 22.31 | 22.31 | 0 | 0 | 1373.5 | 1373.5 | 0 | 1373.5 |
| 0+027.037 | 91.51 | 606.46 | 606.46 | 0 | 0 | 1979.96 | 1979.96 | 0 | 1979.96 |

Alineación: Intersección G-GW

| P.K. | Área de desmonte (metros cuadrados) | Volumen de desmonte (metros cúbicos) | Volumen reutilizable (metros cúbicos) | Área de terraplén (metros cuadrados) | Volumen de terraplén (metros cúbicos) | Vol. desmonte acumul. (metros cúbicos) | Vol. reutilizable acumul. (metros cúbicos) | Vol. terraplén acumul. (metros cúbicos) | Vol. neto acumul. (pies cúbicos) |
|-------------|--|---|--|---|--|---|---|--|---|
| 0+000.000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0+018.915 | 146.51 | 1347.32 | 1347.32 | 0 | 0 | 1347.32 | 1347.32 | 0 | 1347.32 |
| 0+020.000 | 155.32 | 163.77 | 163.77 | 0 | 0 | 1511.09 | 1511.09 | 0 | 1511.09 |
| 0+037.830 | 201.02 | 3115.39 | 3115.39 | 0 | 0 | 4626.48 | 4626.48 | 0 | 4626.48 |

Alineación: Intersección G-NG

| P.K. | Área de desmonte (metros cuadrados) | Volumen de desmonte (metros cúbicos) | Volumen reutilizable (metros cúbicos) | Área de terraplén (metros cuadrados) | Volumen de terraplén (metros cúbicos) | Vol. desmonte acumul. (metros cúbicos) | Vol. reutilizable acumul. (metros cúbicos) | Vol. terraplén acumul. (metros cúbicos) | Vol. neto acumul. (pies cúbicos) |
|-------------|--|---|--|---|--|---|---|--|---|
| 0+000.000 | 152.23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0+019.940 | 280.2 | 3822.19 | 3822.19 | 0 | 0 | 3822.19 | 3822.19 | 0 | 3822.19 |
| 0+020.000 | 279.38 | 16.78 | 16.78 | 0 | 0 | 3838.97 | 3838.97 | 0 | 3838.97 |
| 0+039.880 | 142.26 | 3850.18 | 3850.18 | 0 | 0 | 7689.15 | 7689.15 | 0 | 7689.15 |

Alineación: Intersección G-SG

| P.K. | Área de desmonte (metros cuadrados) | Volumen de desmonte (metros cúbicos) | Volumen reutilizable (metros cúbicos) | Área de terraplén (metros cuadrados) | Volumen de terraplén (metros cúbicos) | Vol. desmonte acumul. (metros cúbicos) | Vol. reutilizable acumul. (metros cúbicos) | Vol. terraplén acumul. (metros cúbicos) | Vol. neto acumul. (pies cúbicos) |
|-------------|--|---|--|---|--|---|---|--|---|
| 0+000.000 | 85.19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0+017.898 | 122.21 | 1712.75 | 1712.75 | 0 | 0 | 1712.75 | 1712.75 | 0 | 1712.75 |
| 0+020.000 | 130.29 | 249.77 | 249.77 | 0 | 0 | 1962.52 | 1962.52 | 0 | 1962.52 |
| 0+035.796 | 115.44 | 1856.82 | 1856.82 | 0 | 0 | 3819.34 | 3819.34 | 0 | 3819.34 |

Alineación: Intersección GE-EW

| P.K. | Área de desmonte (metros cuadrados) | Volumen de desmonte (metros cúbicos) | Volumen reutilizable (metros cúbicos) | Área de terraplén (metros cuadrados) | Volumen de terraplén (metros cúbicos) | Vol. desmonte acumul. (metros cúbicos) | Vol. reutilizable acumul. (metros cúbicos) | Vol. terraplén acumul. (metros cúbicos) | Vol. neto acumul. (pies cúbicos) |
|-------------|--|---|--|---|--|---|---|--|---|
| 0+000.000 | 0 | 0 | 0 | 18.01 | 0 | 0 | 0 | 0 | 0 |
| 0+020.000 | 0 | 0 | 0 | 16.89 | 348.45 | 0 | 0 | 348.45 | -348.45 |
| 0+040.000 | 0 | 0 | 0 | 16.5 | 333.46 | 0 | 0 | 681.91 | -681.91 |
| 0+041.810 | 0 | 0 | 0 | 16.46 | 29.83 | 0 | 0 | 711.74 | -711.74 |
| 0+060.000 | 0 | 0 | 0 | 15.42 | 289.65 | 0 | 0 | 1001.39 | -1001.39 |
| 0+080.000 | 125.45 | 1247.93 | 1247.93 | 0 | 154.02 | 1247.93 | 1247.93 | 1155.41 | 92.52 |
| 0+083.620 | 72.92 | 359.04 | 359.04 | 0 | 0 | 1606.97 | 1606.97 | 1155.41 | 451.56 |

Alineación: Intersección GW-SW-EW

| P.K. | Área de desmonte (metros cuadrados) | Volumen de desmonte (metros cúbicos) | Volumen reutilizable (metros cúbicos) | Área de terraplén (metros cuadrados) | Volumen de terraplén (metros cúbicos) | Vol. desmonte acumul. (metros cúbicos) | Vol. reutilizable acumul. (metros cúbicos) | Vol. terraplén acumul. (metros cúbicos) | Vol. neto acumul. (pies cúbicos) |
|-------------|--|---|--|---|--|---|---|--|---|
| 0+000.000 | 14.01 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0+020.000 | 9.87 | 236.85 | 236.85 | 0 | 0 | 236.85 | 236.85 | 0 | 236.85 |
| 0+033.767 | 8.9 | 128.56 | 128.56 | 0 | 0 | 365.41 | 365.41 | 0 | 365.41 |
| 0+040.000 | 12.08 | 65.39 | 65.39 | 0 | 0 | 430.8 | 430.8 | 0 | 430.8 |
| 0+060.000 | 15.64 | 275.98 | 275.98 | 0 | 0 | 706.78 | 706.78 | 0 | 706.78 |
| 0+067.533 | 15.1 | 115.79 | 115.79 | 0 | 0 | 822.57 | 822.57 | 0 | 822.57 |
| 0+071.991 | 14.9 | 66.75 | 66.75 | 0 | 0 | 889.31 | 889.31 | 0 | 889.31 |
| 0+076.448 | 15.73 | 68.99 | 68.99 | 0 | 0 | 958.31 | 958.31 | 0 | 958.31 |
| 0+080.000 | 16.25 | 56.79 | 56.79 | 0 | 0 | 1015.1 | 1015.1 | 0 | 1015.1 |
| 0+100.000 | 17.68 | 339.29 | 339.29 | 0 | 0 | 1354.39 | 1354.39 | 0 | 1354.39 |

| | | | | | | | | | |
|-----------|-------|--------|--------|-------|--------|---------|---------|--------|---------|
| 0+120.000 | 21.94 | 396.26 | 396.26 | 0 | 0 | 1750.65 | 1750.65 | 0 | 1750.65 |
| 0+140.000 | 24.99 | 469.32 | 469.32 | 0 | 0 | 2219.97 | 2219.97 | 0 | 2219.97 |
| 0+160.000 | 26.56 | 515.47 | 515.47 | 0 | 0 | 2735.43 | 2735.43 | 0 | 2735.43 |
| 0+180.000 | 26.05 | 526.06 | 526.06 | 0 | 0 | 3261.49 | 3261.49 | 0 | 3261.49 |
| 0+200.000 | 13.84 | 398.89 | 398.89 | 25.16 | 251.61 | 3660.38 | 3660.38 | 251.61 | 3408.77 |
| 0+220.000 | 29.04 | 428.84 | 428.84 | 0 | 251.61 | 4089.22 | 4089.22 | 503.22 | 3586 |
| 0+236.929 | 26.95 | 473.96 | 473.96 | 0 | 0 | 4563.18 | 4563.18 | 503.22 | 4059.96 |

Alineación: Intersección NG-G

| <u>P.K.</u> | <u>Área de desmonte (metros cuadrados)</u> | <u>Volumen de desmonte (metros cúbicos)</u> | <u>Volumen reutilizable (metros cúbicos)</u> | <u>Área de terraplén (metros cuadrados)</u> | <u>Volumen de terraplén (metros cúbicos)</u> | <u>Vol. desmonte acumul. (metros cúbicos)</u> | <u>Vol. reutilizable acumul. (metros cúbicos)</u> | <u>Vol. terraplén acumul. (metros cúbicos)</u> | <u>Vol. neto acumul. (pies cúbicos)</u> |
|-------------|--|---|--|---|--|---|---|--|---|
| 0+000.000 | 155.25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0+020.000 | 182.7 | 3278.86 | 3278.86 | 0 | 0 | 3278.86 | 3278.86 | 0 | 3278.86 |
| 0+028.061 | 221.6 | 1656.96 | 1656.96 | 0 | 0 | 4935.82 | 4935.82 | 0 | 4935.82 |
| 0+040.000 | 115.47 | 2021.51 | 2021.51 | 0 | 0 | 6957.33 | 6957.33 | 0 | 6957.33 |
| 0+056.122 | 61.21 | 1304.63 | 1304.63 | 0 | 0 | 8261.96 | 8261.96 | 0 | 8261.96 |

Alineación: Intersección SG-G

| <u>P.K.</u> | <u>Área de desmonte (metros cuadrados)</u> | <u>Volumen de desmonte (metros cúbicos)</u> | <u>Volumen reutilizable (metros cúbicos)</u> | <u>Área de terraplén (metros cuadrados)</u> | <u>Volumen de terraplén (metros cúbicos)</u> | <u>Vol. desmonte acumul. (metros cúbicos)</u> | <u>Vol. reutilizable acumul. (metros cúbicos)</u> | <u>Vol. terraplén acumul. (metros cúbicos)</u> | <u>Vol. neto acumul. (pies cúbicos)</u> |
|-------------|--|---|--|---|--|---|---|--|---|
| 0+000.000 | 150.28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0+020.000 | 199.71 | 3647.44 | 3647.44 | 0 | 0 | 3647.44 | 3647.44 | 0 | 3647.44 |
| 0+024.664 | 240.39 | 1228.51 | 1228.51 | 0 | 0 | 4875.95 | 4875.95 | 0 | 4875.95 |
| 0+040.000 | 84.44 | 2846.18 | 2846.18 | 0 | 0 | 7722.13 | 7722.13 | 0 | 7722.13 |
| 0+049.329 | 0 | 323.55 | 323.55 | 0 | 0 | 8045.67 | 8045.67 | 0 | 8045.67 |

Alineación: Intersección SG-SW

| <u>P.K.</u> | <u>Área de desmonte (metros cuadrados)</u> | <u>Volumen de desmonte (metros cúbicos)</u> | <u>Volumen reutilizable (metros cúbicos)</u> | <u>Área de terraplén (metros cuadrados)</u> | <u>Volumen de terraplén (metros cúbicos)</u> | <u>Vol. desmonte acumul. (metros cúbicos)</u> | <u>Vol. reutilizable acumul. (metros cúbicos)</u> | <u>Vol. terraplén acumul. (metros cúbicos)</u> | <u>Vol. neto acumul. (pies cúbicos)</u> |
|-------------|--|---|--|---|--|---|---|--|---|
| 0+000.000 | 6.92 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0+020.000 | 5.61 | 125.36 | 125.36 | 0 | 0 | 125.36 | 125.36 | 0 | 125.36 |
| 0+030.975 | 2.48 | 44.43 | 44.43 | 0 | 0 | 169.79 | 169.79 | 0 | 169.79 |
| 0+040.000 | 0.33 | 12.65 | 12.65 | 0.39 | 1.75 | 182.43 | 182.43 | 1.75 | 180.68 |
| 0+060.000 | 0 | 3.26 | 3.26 | 5.15 | 55.59 | 185.7 | 185.7 | 57.34 | 128.36 |
| 0+061.950 | 0 | 0 | 0 | 5.66 | 10.55 | 185.7 | 185.7 | 67.88 | 117.81 |

Alineación: Intersección SG-WS

| <u>P.K.</u> | <u>Área de desmonte (metros cuadrados)</u> | <u>Volumen de desmonte (metros cúbicos)</u> | <u>Volumen reutilizable (metros cúbicos)</u> | <u>Área de terraplén (metros cuadrados)</u> | <u>Volumen de terraplén (metros cúbicos)</u> | <u>Vol. desmonte acumul. (metros cúbicos)</u> | <u>Vol. reutilizable acumul. (metros cúbicos)</u> | <u>Vol. terraplén acumul. (metros cúbicos)</u> | <u>Vol. neto acumul. (pies cúbicos)</u> |
|-------------|--|---|--|---|--|---|---|--|---|
| 0+000.000 | 8.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0+020.000 | 13.63 | 218.54 | 218.54 | 0 | 0 | 218.54 | 218.54 | 0 | 218.54 |
| 0+033.423 | 14.5 | 189.45 | 189.45 | 0 | 0 | 407.99 | 407.99 | 0 | 407.99 |
| 0+040.000 | 14.21 | 94.72 | 94.72 | 0 | 0 | 502.71 | 502.71 | 0 | 502.71 |
| 0+060.000 | 12.96 | 272.82 | 272.82 | 0 | 0 | 775.53 | 775.53 | 0 | 775.53 |
| 0+066.847 | 12.61 | 87.96 | 87.96 | 0 | 0 | 863.48 | 863.48 | 0 | 863.48 |

Alineación: Intersección SN-NG

| P.K. | Área de desmonte (metros cuadrados) | Volumen de desmonte (metros cúbicos) | Volumen reutilizable (metros cúbicos) | Área de terraplén (metros cuadrados) | Volumen de terraplén (metros cúbicos) | Vol. desmonte acumul. (metros cúbicos) | Vol. reutilizable acumul. (metros cúbicos) | Vol. terraplén acumul. (metros cúbicos) | Vol. neto acumul. (pies cúbicos) |
|-----------|--|---|--|---|--|---|---|--|-------------------------------------|
| 0+000.000 | 110.94 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0+008.604 | 131.74 | 977.14 | 977.14 | 0 | 0 | 977.14 | 977.14 | 0 | 977.14 |
| 0+017.208 | 83 | 869.29 | 869.29 | 0 | 0 | 1846.43 | 1846.43 | 0 | 1846.43 |
| 0+020.000 | 80.1 | 274.57 | 274.57 | 0 | 0 | 2121 | 2121 | 0 | 2121 |
| 0+040.000 | 68.85 | 1489.51 | 1489.51 | 0 | 0 | 3610.51 | 3610.51 | 0 | 3610.51 |
| 0+060.000 | 59.81 | 1286.58 | 1286.58 | 0 | 0 | 4897.09 | 4897.09 | 0 | 4897.09 |
| 0+080.000 | 46.68 | 1064.93 | 1064.93 | 0 | 0 | 5962.02 | 5962.02 | 0 | 5962.02 |
| 0+100.000 | 33.5 | 801.8 | 801.8 | 0 | 0 | 6763.82 | 6763.82 | 0 | 6763.82 |
| 0+120.000 | 20.77 | 542.63 | 542.63 | 0 | 0 | 7306.45 | 7306.45 | 0 | 7306.45 |
| 0+137.293 | 16.42 | 321.57 | 321.57 | 0 | 0 | 7628.02 | 7628.02 | 0 | 7628.02 |

Alineación: Intersección SW-SN

| P.K. | Área de desmonte (metros cuadrados) | Volumen de desmonte (metros cúbicos) | Volumen reutilizable (metros cúbicos) | Área de terraplén (metros cuadrados) | Volumen de terraplén (metros cúbicos) | Vol. desmonte acumul. (metros cúbicos) | Vol. reutilizable acumul. (metros cúbicos) | Vol. terraplén acumul. (metros cúbicos) | Vol. neto acumul. (pies cúbicos) |
|-----------|--|---|--|---|--|---|---|--|-------------------------------------|
| 0+000.000 | 0 | 0 | 0 | 2.19 | 0 | 0 | 0 | 0 | 0 |
| 0+013.849 | 0 | 0 | 0 | 3.18 | 36.88 | 0 | 0 | 36.88 | -36.88 |
| 0+020.000 | 0 | 0 | 0 | 4.04 | 22.02 | 0 | 0 | 58.9 | -58.9 |
| 0+027.697 | 0 | 0 | 0 | 4.98 | 34.5 | 0 | 0 | 93.4 | -93.4 |
| 0+038.280 | 0 | 0 | 0 | 7.19 | 64.38 | 0 | 0 | 157.79 | -157.79 |

Alineación: Intersección WG-G

| P.K. | Área de desmonte (metros cuadrados) | Volumen de desmonte (metros cúbicos) | Volumen reutilizable (metros cúbicos) | Área de terraplén (metros cuadrados) | Volumen de terraplén (metros cúbicos) | Vol. desmonte acumul. (metros cúbicos) | Vol. reutilizable acumul. (metros cúbicos) | Vol. terraplén acumul. (metros cúbicos) | Vol. neto acumul. (pies cúbicos) |
|-----------|--|---|--|---|--|---|---|--|-------------------------------------|
| 0+000.000 | 182.63 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0+015.627 | 148.33 | 2492.7 | 2492.7 | 0 | 0 | 2492.7 | 2492.7 | 0 | 2492.7 |
| 0+020.000 | 129.29 | 584.07 | 584.07 | 0 | 0 | 3076.76 | 3076.76 | 0 | 3076.76 |
| 0+031.253 | 101.41 | 1244.29 | 1244.29 | 0 | 0 | 4321.06 | 4321.06 | 0 | 4321.06 |

Alineación: Ramal NG

| P.K. | Área de desmonte (metros cuadrados) | Volumen de desmonte (metros cúbicos) | Volumen reutilizable (metros cúbicos) | Área de terraplén (metros cuadrados) | Volumen de terraplén (metros cúbicos) | Vol. desmonte acumul. (metros cúbicos) | Vol. reutilizable acumul. (metros cúbicos) | Vol. terraplén acumul. (metros cúbicos) | Vol. neto acumul. (pies cúbicos) |
|-----------|--|---|--|---|--|---|---|--|-------------------------------------|
| 0+000.000 | 15.56 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0+020.000 | 14.46 | 300.18 | 300.18 | 0 | 0 | 300.18 | 300.18 | 0 | 300.18 |
| 0+040.000 | 14.67 | 291.28 | 291.28 | 0 | 0 | 591.46 | 591.46 | 0 | 591.46 |
| 0+060.000 | 13.21 | 278.84 | 278.84 | 0 | 0 | 870.3 | 870.3 | 0 | 870.3 |
| 0+080.000 | 12.07 | 252.84 | 252.84 | 0 | 0 | 1123.14 | 1123.14 | 0 | 1123.14 |
| 0+100.000 | 11.44 | 235.09 | 235.09 | 0 | 0 | 1358.23 | 1358.23 | 0 | 1358.23 |
| 0+120.000 | 10.92 | 223.61 | 223.61 | 0 | 0 | 1581.84 | 1581.84 | 0 | 1581.84 |
| 0+140.000 | 12.89 | 238.1 | 238.1 | 0 | 0 | 1819.94 | 1819.94 | 0 | 1819.94 |
| 0+160.000 | 18.19 | 310.78 | 310.78 | 0 | 0 | 2130.73 | 2130.73 | 0 | 2130.73 |
| 0+180.000 | 28.45 | 466.41 | 466.41 | 0 | 0 | 2597.14 | 2597.14 | 0 | 2597.14 |
| 0+200.000 | 42.04 | 704.87 | 704.87 | 0 | 0 | 3302.01 | 3302.01 | 0 | 3302.01 |
| 0+220.000 | 41.61 | 836.45 | 836.45 | 0 | 0 | 4138.46 | 4138.46 | 0 | 4138.46 |
| 0+240.000 | 53.56 | 951.72 | 951.72 | 0 | 0 | 5090.18 | 5090.18 | 0 | 5090.18 |
| 0+260.000 | 65.44 | 1190.07 | 1190.07 | 0 | 0 | 6280.24 | 6280.24 | 0 | 6280.24 |
| 0+280.000 | 78.06 | 1435.08 | 1435.08 | 0 | 0 | 7715.33 | 7715.33 | 0 | 7715.33 |
| 0+300.000 | 94.15 | 1722.13 | 1722.13 | 0 | 0 | 9437.46 | 9437.46 | 0 | 9437.46 |
| 0+305.057 | 98.36 | 486.77 | 486.77 | 0 | 0 | 9924.23 | 9924.23 | 0 | 9924.23 |
| 0+320.000 | 112.17 | 1572.95 | 1572.95 | 0 | 0 | 11497.19 | 11497.19 | 0 | 11497.19 |
| 0+340.000 | 167.32 | 2735.24 | 2735.24 | 0 | 0 | 14232.42 | 14232.42 | 0 | 14232.42 |
| 0+360.000 | 160.3 | 3140.42 | 3140.42 | 0 | 0 | 17372.84 | 17372.84 | 0 | 17372.84 |
| 0+360.057 | 160.37 | 9.16 | 9.16 | 0 | 0 | 17382 | 17382 | 0 | 17382 |

| | | | | | | | | | |
|-----------|--------|---------|---------|---|---|----------|----------|---|----------|
| 0+380.000 | 173.69 | 3152.2 | 3152.2 | 0 | 0 | 20534.2 | 20534.2 | 0 | 20534.2 |
| 0+400.000 | 279.42 | 4411.09 | 4411.09 | 0 | 0 | 24945.3 | 24945.3 | 0 | 24945.3 |
| 0+420.000 | 283.06 | 5596.8 | 5596.8 | 0 | 0 | 30542.1 | 30542.1 | 0 | 30542.1 |
| 0+425.402 | 293.39 | 1551.72 | 1551.72 | 0 | 0 | 32093.82 | 32093.82 | 0 | 32093.82 |
| 0+440.000 | 300.5 | 4294.32 | 4294.32 | 0 | 0 | 36388.14 | 36388.14 | 0 | 36388.14 |
| 0+460.000 | 312.96 | 6029.28 | 6029.28 | 0 | 0 | 42417.42 | 42417.42 | 0 | 42417.42 |
| 0+480.000 | 305.74 | 6069.63 | 6069.63 | 0 | 0 | 48487.04 | 48487.04 | 0 | 48487.04 |
| 0+490.748 | 294.15 | 3173.74 | 3173.74 | 0 | 0 | 51660.78 | 51660.78 | 0 | 51660.78 |
| 0+500.000 | 279.77 | 2626.22 | 2626.22 | 0 | 0 | 54287 | 54287 | 0 | 54287 |
| 0+520.000 | 304.6 | 5822.57 | 5822.57 | 0 | 0 | 60109.57 | 60109.57 | 0 | 60109.57 |
| 0+540.000 | 0 | 3044.47 | 3044.47 | 0 | 0 | 63154.04 | 63154.04 | 0 | 63154.04 |
| 0+545.748 | 0 | 0 | 0 | 0 | 0 | 63154.04 | 63154.04 | 0 | 63154.04 |
| 0+559.079 | 0 | 0 | 0 | 0 | 0 | 63154.04 | 63154.04 | 0 | 63154.04 |

Alineación: Ramal SG

| P.K. | Área de desmante (metros cuadrados) | Volumen de desmante (metros cúbicos) | Volumen reutilizable (metros cúbicos) | Área de terraplén (metros cuadrados) | Volumen de terraplén (metros cúbicos) | Vol. desmante acumul. (metros cúbicos) | Vol. reutilizable acumul. (metros cúbicos) | Vol. terraplén acumul. (metros cúbicos) | Vol. neto acumul. (pies cúbicos) |
|-------------|--|---|--|---|--|---|---|--|---|
| 0+000.000 | 41.87 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0+020.000 | 42.6 | 844.73 | 844.73 | 0 | 0 | 844.73 | 844.73 | 0 | 844.73 |
| 0+040.000 | 43.1 | 857.03 | 857.03 | 0 | 0 | 1701.76 | 1701.76 | 0 | 1701.76 |
| 0+060.000 | 42.11 | 852.15 | 852.15 | 0 | 0 | 2553.91 | 2553.91 | 0 | 2553.91 |
| 0+080.000 | 44.54 | 866.5 | 866.5 | 0 | 0 | 3420.41 | 3420.41 | 0 | 3420.41 |
| 0+100.000 | 44.88 | 894.16 | 894.16 | 0 | 0 | 4314.57 | 4314.57 | 0 | 4314.57 |
| 0+120.000 | 44.59 | 894.68 | 894.68 | 0 | 0 | 5209.25 | 5209.25 | 0 | 5209.25 |
| 0+140.000 | 44.07 | 886.63 | 886.63 | 0 | 0 | 6095.88 | 6095.88 | 0 | 6095.88 |
| 0+160.000 | 45.21 | 892.79 | 892.79 | 0 | 0 | 6988.67 | 6988.67 | 0 | 6988.67 |
| 0+180.000 | 47.08 | 922.92 | 922.92 | 0 | 0 | 7911.59 | 7911.59 | 0 | 7911.59 |
| 0+200.000 | 48.07 | 951.54 | 951.54 | 0 | 0 | 8863.13 | 8863.13 | 0 | 8863.13 |
| 0+220.000 | 50.45 | 985.18 | 985.18 | 0 | 0 | 9848.3 | 9848.3 | 0 | 9848.3 |
| 0+240.000 | 51.36 | 1018.13 | 1018.13 | 0 | 0 | 10866.43 | 10866.43 | 0 | 10866.43 |
| 0+260.000 | 53.64 | 1050.08 | 1050.08 | 0 | 0 | 11916.52 | 11916.52 | 0 | 11916.52 |
| 0+280.000 | 37.78 | 914.2 | 914.2 | 0 | 0 | 12830.71 | 12830.71 | 0 | 12830.71 |
| 0+300.000 | 37.27 | 750.46 | 750.46 | 0 | 0 | 13581.17 | 13581.17 | 0 | 13581.17 |
| 0+315.965 | 35.5 | 580.9 | 580.9 | 0 | 0 | 14162.07 | 14162.07 | 0 | 14162.07 |
| 0+320.000 | 34.27 | 140.76 | 140.76 | 0 | 0 | 14302.83 | 14302.83 | 0 | 14302.83 |
| 0+340.000 | 31.99 | 666.87 | 666.87 | 0 | 0 | 14969.7 | 14969.7 | 0 | 14969.7 |
| 0+360.000 | 35.18 | 672.94 | 672.94 | 0.61 | 6.48 | 15642.63 | 15642.63 | 6.48 | 15636.15 |
| 0+368.597 | 34.67 | 295.33 | 295.33 | 1.11 | 8.06 | 15937.96 | 15937.96 | 14.55 | 15923.42 |
| 0+380.000 | 31.25 | 367.65 | 367.65 | 1.31 | 15.13 | 16305.62 | 16305.62 | 29.68 | 16275.94 |
| 0+400.000 | 19.34 | 493.2 | 493.2 | 0 | 14.33 | 16798.81 | 16798.81 | 44.01 | 16754.8 |
| 0+420.000 | 16.38 | 347.49 | 347.49 | 0.04 | 0.39 | 17146.31 | 17146.31 | 44.4 | 17101.9 |
| 0+440.000 | 17.51 | 331.95 | 331.95 | 0 | 0.39 | 17478.26 | 17478.26 | 44.79 | 17433.46 |
| 0+445.359 | 16.92 | 90.76 | 90.76 | 0 | 0 | 17569.02 | 17569.02 | 44.79 | 17524.22 |
| 0+460.000 | 12.87 | 215.45 | 215.45 | 0 | 0 | 17784.47 | 17784.47 | 44.79 | 17739.67 |
| 0+480.000 | 10.15 | 226.68 | 226.68 | 1.1 | 11.35 | 18011.15 | 18011.15 | 56.14 | 17955.01 |
| 0+500.000 | 13.97 | 235.71 | 235.71 | 1.75 | 29.48 | 18246.87 | 18246.87 | 85.62 | 18161.25 |
| 0+520.000 | 32.94 | 468.16 | 468.16 | 0 | 18.13 | 18715.03 | 18715.03 | 103.75 | 18611.29 |
| 0+522.121 | 33.64 | 70.61 | 70.61 | 0 | 0 | 18785.64 | 18785.64 | 103.75 | 18681.9 |
| 0+540.000 | 46.15 | 720.13 | 720.13 | 0 | 0 | 19505.77 | 19505.77 | 103.75 | 19402.02 |
| 0+560.000 | 61.55 | 1083.61 | 1083.61 | 0 | 0 | 20589.38 | 20589.38 | 103.75 | 20485.64 |
| 0+574.753 | 75.54 | 1011.27 | 1011.27 | 0 | 0 | 21600.66 | 21600.66 | 103.75 | 21496.91 |
| 0+580.000 | 79.06 | 405.64 | 405.64 | 0 | 0 | 22006.29 | 22006.29 | 103.75 | 21902.55 |
| 0+600.000 | 84.9 | 1639.66 | 1639.66 | 0 | 0 | 23645.96 | 23645.96 | 103.75 | 23542.21 |
| 0+620.000 | 97.67 | 1825.76 | 1825.76 | 0 | 0 | 25471.71 | 25471.71 | 103.75 | 25367.97 |
| 0+640.000 | 92.38 | 1900.51 | 1900.51 | 0.12 | 1.18 | 27372.23 | 27372.23 | 104.93 | 27267.3 |
| 0+660.000 | 133.32 | 2257.01 | 2257.01 | 0 | 1.18 | 29629.24 | 29629.24 | 106.11 | 29523.13 |
| 0+680.000 | 153.78 | 2870.99 | 2870.99 | 0 | 0 | 32500.23 | 32500.23 | 106.11 | 32394.13 |
| 0+700.000 | 180.77 | 3345.5 | 3345.5 | 0 | 0 | 35845.73 | 35845.73 | 106.11 | 35739.62 |
| 0+716.519 | 210.34 | 3230.41 | 3230.41 | 0 | 0 | 39076.14 | 39076.14 | 106.11 | 38970.03 |
| 0+720.000 | 215.11 | 740.44 | 740.44 | 0 | 0 | 39816.58 | 39816.58 | 106.11 | 39710.46 |
| 0+740.000 | 239.03 | 4561.63 | 4561.63 | 0 | 0.12 | 44378.21 | 44378.21 | 106.23 | 44271.98 |
| 0+760.000 | 275.46 | 5168.56 | 5168.56 | 0.05 | 0.67 | 49546.77 | 49546.77 | 106.9 | 49439.87 |
| 0+766.225 | 279.01 | 1715.41 | 1715.41 | 0 | 0.19 | 51262.18 | 51262.18 | 107.09 | 51155.09 |
| 0+769.732 | 277.78 | 965.05 | 965.05 | 0 | 0 | 52227.23 | 52227.23 | 107.09 | 52120.14 |
| 0+773.238 | 125.59 | 726.33 | 726.33 | 0 | 0 | 52953.57 | 52953.57 | 107.09 | 52846.48 |
| 0+780.000 | 123.55 | 930.76 | 930.76 | 0 | 0 | 53884.33 | 53884.33 | 107.09 | 53777.24 |
| 0+800.000 | 118.43 | 2594.64 | 2594.64 | 0 | 0 | 56478.97 | 56478.97 | 107.09 | 56371.88 |
| 0+820.000 | 0 | 1217.34 | 1217.34 | 0 | 0 | 57696.3 | 57696.3 | 107.09 | 57589.21 |
| 0+822.944 | 0 | 0 | 0 | 0 | 0 | 57696.3 | 57696.3 | 107.09 | 57589.21 |
| 0+823.002 | 0 | 0 | 0 | 0 | 0 | 57696.3 | 57696.3 | 107.09 | 57589.21 |

Alineación: Ramal SN

| P.K. | Área de desmonte (metros cuadrados) | Volumen de desmonte (metros cúbicos) | Volumen reutilizable (metros cúbicos) | Área de terraplén (metros cuadrados) | Volumen de terraplén (metros cúbicos) | Vol. desmonte acumul. (metros cúbicos) | Vol. reutilizable acumul. (metros cúbicos) | Vol. terraplén acumul. (metros cúbicos) | Vol. neto acumul. (pies cúbicos) |
|-----------|--|---|--|---|--|--|--|---|---|
| 0+000.000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0+020.000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0+040.000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0+060.000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0+080.000 | 0 | 0 | 0 | 7.83 | 78.35 | 0 | 0 | 78.35 | -78.35 |
| 0+100.000 | 0 | 0 | 0 | 8.41 | 162.47 | 0 | 0 | 240.81 | -240.81 |
| 0+120.000 | 0 | 0 | 0 | 11.11 | 195.23 | 0 | 0 | 436.05 | -436.05 |
| 0+140.000 | 0 | 0 | 0 | 9.63 | 207.42 | 0 | 0 | 643.47 | -643.47 |
| 0+160.000 | 0 | 0 | 0 | 7.49 | 171.22 | 0 | 0 | 814.69 | -814.69 |
| 0+178.372 | 0 | 0 | 0 | 6.45 | 128.08 | 0 | 0 | 942.77 | -942.77 |
| 0+180.000 | 0 | 0 | 0 | 6.37 | 10.44 | 0 | 0 | 953.21 | -953.21 |
| 0+200.000 | 0 | 0 | 0 | 6.14 | 125.17 | 0 | 0 | 1078.37 | -1078.37 |
| 0+220.000 | 0 | 0 | 0 | 6.52 | 127.15 | 0 | 0 | 1205.52 | -1205.52 |
| 0+240.000 | 0 | 0 | 0 | 6.34 | 129.62 | 0 | 0 | 1335.14 | -1335.14 |
| 0+251.515 | 0 | 0 | 0 | 6.59 | 75.28 | 0 | 0 | 1410.42 | -1410.42 |
| 0+260.000 | 0 | 0 | 0 | 6.56 | 56.41 | 0 | 0 | 1466.83 | -1466.83 |
| 0+270.250 | 0 | 0 | 0 | 16.13 | 117.84 | 0 | 0 | 1584.67 | -1584.67 |
| 0+280.000 | 0 | 0 | 0 | 50.24 | 327.28 | 0 | 0 | 1911.95 | -1911.95 |
| 0+288.985 | 0 | 0 | 0 | 12.02 | 282.86 | 0 | 0 | 2194.81 | -2194.81 |
| 0+300.000 | 0 | 0 | 0 | 9.37 | 119.34 | 0 | 0 | 2314.15 | -2314.15 |
| 0+320.000 | 0 | 0 | 0 | 4.22 | 137.15 | 0 | 0 | 2451.3 | -2451.3 |
| 0+340.000 | 0.12 | 1.21 | 1.21 | 2.3 | 65.51 | 1.21 | 1.21 | 2516.81 | -2515.6 |
| 0+360.000 | 0.51 | 6.28 | 6.28 | 0.89 | 31.84 | 7.48 | 7.48 | 2548.65 | -2541.17 |
| 0+362.128 | 0.54 | 1.12 | 1.12 | 0.85 | 1.85 | 8.6 | 8.6 | 2550.5 | -2541.9 |
| 0+380.000 | 2.85 | 30.29 | 30.29 | 0 | 7.6 | 38.89 | 38.89 | 2558.1 | -2519.2 |
| 0+400.000 | 7.15 | 99.97 | 99.97 | 0 | 0 | 138.86 | 138.86 | 2558.1 | -2419.24 |
| 0+420.000 | 16.52 | 236.66 | 236.66 | 0 | 0 | 375.52 | 375.52 | 2558.1 | -2182.57 |
| 0+440.000 | 27.44 | 439.55 | 439.55 | 0 | 0 | 815.07 | 815.07 | 2558.1 | -1743.03 |
| 0+460.000 | 45 | 724.4 | 724.4 | 0 | 0 | 1539.47 | 1539.47 | 2558.1 | -1018.63 |
| 0+480.000 | 69.64 | 1146.37 | 1146.37 | 0 | 0 | 2685.84 | 2685.84 | 2558.1 | 127.74 |
| 0+500.000 | 86.07 | 1557.08 | 1557.08 | 0 | 0 | 4242.92 | 4242.92 | 2558.1 | 1684.83 |
| 0+520.000 | 85.9 | 1719.71 | 1719.71 | 0 | 0 | 5962.64 | 5962.64 | 2558.1 | 3404.54 |
| 0+540.000 | 79.22 | 1651.15 | 1651.15 | 0 | 0 | 7613.79 | 7613.79 | 2558.1 | 5055.69 |
| 0+560.000 | 103.92 | 1831.4 | 1831.4 | 0 | 0 | 9445.19 | 9445.19 | 2558.1 | 6887.09 |
| 0+580.000 | 0 | 1039.25 | 1039.25 | 0 | 0 | 10484.44 | 10484.44 | 2558.1 | 7926.34 |
| 0+600.000 | 0 | 0 | 0 | 0 | 0 | 10484.44 | 10484.44 | 2558.1 | 7926.34 |
| 0+620.000 | 0 | 0 | 0 | 0 | 0 | 10484.44 | 10484.44 | 2558.1 | 7926.34 |
| 0+640.000 | 0 | 0 | 0 | 0 | 0 | 10484.44 | 10484.44 | 2558.1 | 7926.34 |
| 0+652.240 | 0 | 0 | 0 | 0 | 0 | 10484.44 | 10484.44 | 2558.1 | 7926.34 |

Alineación: Ramal SW

| P.K. | Área de desmonte (metros cuadrados) | Volumen de desmonte (metros cúbicos) | Volumen reutilizable (metros cúbicos) | Área de terraplén (metros cuadrados) | Volumen de terraplén (metros cúbicos) | Vol. desmonte acumul. (metros cúbicos) | Vol. reutilizable acumul. (metros cúbicos) | Vol. terraplén acumul. (metros cúbicos) | Vol. neto acumul. (pies cúbicos) |
|-----------|--|---|--|---|--|--|--|---|---|
| 0+000.000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0+016.135 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0+020.000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0+040.000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0+060.000 | 1.38 | 13.75 | 13.75 | 3.81 | 38.25 | 13.75 | 13.75 | 38.25 | -24.5 |
| 0+080.000 | 0.88 | 22.44 | 22.44 | 10.19 | 140.93 | 36.19 | 36.19 | 179.18 | -142.98 |
| 0+089.278 | 0.59 | 6.74 | 6.74 | 12.54 | 106.34 | 42.93 | 42.93 | 285.52 | -242.59 |
| 0+100.000 | 0.83 | 7.53 | 7.53 | 15.05 | 149.32 | 50.45 | 50.45 | 434.83 | -384.38 |
| 0+120.000 | 2.76 | 35.48 | 35.48 | 13.28 | 286.37 | 85.94 | 85.94 | 721.21 | -635.27 |
| 0+140.000 | 6.36 | 90.27 | 90.27 | 35.3 | 497.31 | 176.21 | 176.21 | 1218.52 | -1042.3 |
| 0+160.000 | 10.28 | 165.51 | 165.51 | 24.57 | 616.94 | 341.72 | 341.72 | 1835.45 | -1493.73 |
| 0+180.000 | 11.18 | 214.54 | 214.54 | 0.78 | 262.12 | 556.27 | 556.27 | 2097.57 | -1541.31 |
| 0+200.000 | 4.34 | 155.99 | 155.99 | 0 | 8.1 | 712.26 | 712.26 | 2105.68 | -1393.42 |
| 0+220.000 | 0 | 43.94 | 43.94 | 57.32 | 570.96 | 756.2 | 756.2 | 2676.64 | -1920.44 |
| 0+240.000 | 0 | 0 | 0 | 142.85 | 2001.93 | 756.2 | 756.2 | 4678.57 | -3922.37 |
| 0+260.000 | 0 | 0 | 0 | 212.05 | 3568.68 | 756.2 | 756.2 | 8247.25 | -7491.05 |
| 0+280.000 | 0 | 0 | 0 | 260.46 | 4776.38 | 756.2 | 756.2 | 13023.63 | -12267.43 |
| 0+296.455 | 0 | 0 | 0 | 258.93 | 4327.89 | 756.2 | 756.2 | 17351.52 | -16595.32 |
| 0+300.000 | 0 | 0 | 0 | 268.83 | 935.4 | 756.2 | 756.2 | 18286.91 | -17530.71 |
| 0+320.000 | 0 | 0 | 0 | 162.64 | 4379.09 | 756.2 | 756.2 | 22666 | -21909.8 |
| 0+340.000 | 0 | 0 | 0 | 223.3 | 3907.2 | 756.2 | 756.2 | 26573.2 | -25817 |
| 0+360.000 | 0 | 0 | 0 | 192.56 | 4204.78 | 756.2 | 756.2 | 30777.98 | -30021.78 |

| | | | | | | | | | |
|-----------|-------|--------|--------|--------|---------|---------|---------|----------|-----------|
| 0+380.000 | 0 | 0 | 0 | 148.88 | 3451.82 | 756.2 | 756.2 | 34229.81 | -33473.61 |
| 0+400.000 | 0 | 0 | 0 | 144.23 | 2965.27 | 756.2 | 756.2 | 37195.07 | -36438.87 |
| 0+420.000 | 0 | 0 | 0 | 140.17 | 2877.02 | 756.2 | 756.2 | 40072.09 | -39315.9 |
| 0+440.000 | 0 | 0 | 0 | 133.51 | 2768.05 | 756.2 | 756.2 | 42840.15 | -42083.95 |
| 0+460.000 | 0 | 0 | 0 | 260.95 | 3967.8 | 756.2 | 756.2 | 46807.95 | -46051.75 |
| 0+480.000 | 0 | 0 | 0 | 270.87 | 5350.07 | 756.2 | 756.2 | 52158.02 | -51401.82 |
| 0+500.000 | 0 | 0 | 0 | 169.33 | 4433.89 | 756.2 | 756.2 | 56591.91 | -55835.71 |
| 0+503.632 | 0 | 0 | 0 | 158.84 | 595.99 | 756.2 | 756.2 | 57187.9 | -56431.7 |
| 0+520.000 | 0 | 0 | 0 | 131.7 | 2390.29 | 756.2 | 756.2 | 59578.19 | -58821.99 |
| 0+540.000 | 0 | 0 | 0 | 112.1 | 2450.21 | 756.2 | 756.2 | 62028.4 | -61272.2 |
| 0+560.000 | 0 | 0 | 0 | 110.26 | 2231.1 | 756.2 | 756.2 | 64259.51 | -63503.31 |
| 0+576.775 | 0 | 0 | 0 | 70.5 | 1516.16 | 756.2 | 756.2 | 65775.66 | -65019.47 |
| 0+580.000 | 0 | 0 | 0 | 70.54 | 227.42 | 756.2 | 756.2 | 66003.08 | -65246.89 |
| 0+600.000 | 0 | 0 | 0 | 65.31 | 1358.51 | 756.2 | 756.2 | 67361.6 | -66605.4 |
| 0+620.000 | 24.52 | 245.17 | 245.17 | 0 | 653.12 | 1001.37 | 1001.37 | 68014.72 | -67013.35 |
| 0+640.000 | 1.68 | 262.01 | 262.01 | 29.97 | 299.67 | 1263.38 | 1263.38 | 68314.39 | -67051.02 |
| 0+660.000 | 40.26 | 419.46 | 419.46 | 14.33 | 443.02 | 1682.84 | 1682.84 | 68757.41 | -67074.57 |
| 0+680.000 | 11.6 | 518.62 | 518.62 | 37.57 | 519.04 | 2201.46 | 2201.46 | 69276.45 | -67074.99 |
| 0+700.000 | 4.8 | 164.01 | 164.01 | 28.71 | 662.78 | 2365.47 | 2365.47 | 69939.23 | -67573.76 |
| 0+720.000 | 0 | 48.02 | 48.02 | 17.75 | 464.54 | 2413.49 | 2413.49 | 70403.77 | -67990.29 |
| 0+740.000 | 0 | 0 | 0 | 12.65 | 304 | 2413.49 | 2413.49 | 70707.78 | -68294.29 |
| 0+760.000 | 0 | 0 | 0 | 5.76 | 184.16 | 2413.49 | 2413.49 | 70891.94 | -68478.45 |
| 0+780.000 | 0 | 0 | 0 | 0.76 | 65.26 | 2413.49 | 2413.49 | 70957.19 | -68543.71 |
| 0+800.000 | 0 | 0.06 | 0.06 | 0.08 | 8.49 | 2413.55 | 2413.55 | 70965.69 | -68552.14 |
| 0+820.000 | 0 | 0.06 | 0.06 | 0 | 0.85 | 2413.61 | 2413.61 | 70966.54 | -68552.92 |
| 0+840.000 | 0 | 0 | 0 | 0 | 0 | 2413.61 | 2413.61 | 70966.54 | -68552.92 |
| 0+860.000 | 0 | 0 | 0 | 0 | 0 | 2413.61 | 2413.61 | 70966.54 | -68552.92 |
| 0+880.000 | 0 | 0 | 0 | 0 | 0 | 2413.61 | 2413.61 | 70966.54 | -68552.92 |
| 0+880.144 | 0 | 0 | 0 | 0 | 0 | 2413.61 | 2413.61 | 70966.54 | -68552.92 |

Alineación: Ramal WG

| P.K. | Área de desmonte (metros cuadrados) | Volumen de desmonte (metros cúbicos) | Volumen reutilizable (metros cúbicos) | Área de terraplén (metros cuadrados) | Volumen de terraplén (metros cúbicos) | Vol. desmonte acumul. (metros cúbicos) | Vol. reutilizable acumul. (metros cúbicos) | Vol. terraplén acumul. (metros cúbicos) | Vol. neto acumul. (pies cúbicos) |
|-----------|--|---|--|---|--|--|--|---|---|
| 0+000.000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0+020.000 | 11.78 | 117.81 | 117.81 | 0 | 0 | 117.81 | 117.81 | 0 | 117.81 |
| 0+040.000 | 14.51 | 262.87 | 262.87 | 0 | 0 | 380.68 | 380.68 | 0 | 380.68 |
| 0+060.000 | 21.02 | 355.28 | 355.28 | 0 | 0 | 735.96 | 735.96 | 0 | 735.96 |
| 0+080.000 | 25.59 | 466.09 | 466.09 | 0 | 0 | 1202.05 | 1202.05 | 0 | 1202.05 |
| 0+100.000 | 33.13 | 587.22 | 587.22 | 0 | 0 | 1789.28 | 1789.28 | 0 | 1789.28 |
| 0+120.000 | 40.23 | 733.69 | 733.69 | 0 | 0 | 2522.96 | 2522.96 | 0 | 2522.96 |
| 0+140.000 | 54.15 | 943.82 | 943.82 | 0 | 0 | 3466.79 | 3466.79 | 0 | 3466.79 |
| 0+160.000 | 180.54 | 2346.92 | 2346.92 | 0 | 0 | 5813.71 | 5813.71 | 0 | 5813.71 |
| 0+180.000 | 234.28 | 4148.22 | 4148.22 | 0 | 0 | 9961.93 | 9961.93 | 0 | 9961.93 |
| 0+200.000 | 312.51 | 5467.89 | 5467.89 | 0 | 0 | 15429.82 | 15429.82 | 0 | 15429.82 |
| 0+220.000 | 326.77 | 6392.83 | 6392.83 | 0 | 0 | 21822.65 | 21822.65 | 0 | 21822.65 |
| 0+240.000 | 236.58 | 5633.51 | 5633.51 | 0 | 0 | 27456.16 | 27456.16 | 0 | 27456.16 |
| 0+260.000 | 254.47 | 4910.49 | 4910.49 | 0 | 0 | 32366.65 | 32366.65 | 0 | 32366.65 |
| 0+277.039 | 0 | 2167.94 | 2167.94 | 0 | 0 | 34534.58 | 34534.58 | 0 | 34534.58 |

Alineación: Ramal WS

| P.K. | Área de desmonte (metros cuadrados) | Volumen de desmonte (metros cúbicos) | Volumen reutilizable (metros cúbicos) | Área de terraplén (metros cuadrados) | Volumen de terraplén (metros cúbicos) | Vol. desmonte acumul. (metros cúbicos) | Vol. reutilizable acumul. (metros cúbicos) | Vol. terraplén acumul. (metros cúbicos) | Vol. neto acumul. (pies cúbicos) |
|-----------|--|---|--|---|--|--|--|---|---|
| 0+000.000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0+020.000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0+040.000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0+060.000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0+080.000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0+100.000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0+120.000 | 0 | 0 | 0 | 56.71 | 567.08 | 0 | 0 | 567.08 | -567.08 |
| 0+140.000 | 20.43 | 204.3 | 204.3 | 0 | 567.08 | 204.3 | 204.3 | 1134.16 | -929.86 |
| 0+160.000 | 22.31 | 427.45 | 427.45 | 0 | 0 | 631.74 | 631.74 | 1134.16 | -502.41 |
| 0+180.000 | 25.98 | 482.95 | 482.95 | 0 | 0 | 1114.69 | 1114.69 | 1134.16 | -19.46 |
| 0+180.442 | 25.99 | 11.48 | 11.48 | 0 | 0 | 1126.17 | 1126.17 | 1134.16 | -7.99 |
| 0+200.000 | 30.77 | 555.06 | 555.06 | 0 | 0 | 1681.23 | 1681.23 | 1134.16 | 547.07 |
| 0+220.000 | 35.72 | 661.38 | 661.38 | 0 | 0 | 2342.61 | 2342.61 | 1134.16 | 1208.45 |
| 0+240.000 | 37.24 | 723.08 | 723.08 | 0 | 0 | 3065.69 | 3065.69 | 1134.16 | 1931.53 |

| | | | | | | | | | |
|-----------|-------|--------|--------|-------|--------|----------|----------|---------|----------|
| 0+253.585 | 41.22 | 526.54 | 526.54 | 0 | 0 | 3592.23 | 3592.23 | 1134.16 | 2458.07 |
| 0+260.000 | 42.08 | 263.5 | 263.5 | 0 | 0 | 3855.73 | 3855.73 | 1134.16 | 2721.58 |
| 0+261.019 | 42.22 | 42.96 | 42.96 | 0 | 0 | 3898.7 | 3898.7 | 1134.16 | 2764.54 |
| 0+268.454 | 38.31 | 295.19 | 295.19 | 0 | 0 | 4193.89 | 4193.89 | 1134.16 | 3059.73 |
| 0+280.000 | 36.64 | 427.15 | 427.15 | 0 | 0 | 4621.04 | 4621.04 | 1134.16 | 3486.88 |
| 0+300.000 | 37.44 | 733.82 | 733.82 | 0 | 0 | 5354.86 | 5354.86 | 1134.16 | 4220.7 |
| 0+320.000 | 31.23 | 682.89 | 682.89 | 0 | 0 | 6037.75 | 6037.75 | 1134.16 | 4903.59 |
| 0+340.000 | 29.22 | 604.53 | 604.53 | 0 | 0 | 6642.27 | 6642.27 | 1134.16 | 5508.12 |
| 0+341.597 | 28.35 | 45.97 | 45.97 | 0 | 0 | 6688.25 | 6688.25 | 1134.16 | 5554.09 |
| 0+360.000 | 19.51 | 440.37 | 440.37 | 0 | 0 | 7128.62 | 7128.62 | 1134.16 | 5994.47 |
| 0+380.000 | 17.88 | 373.87 | 373.87 | 0 | 0 | 7502.49 | 7502.49 | 1134.16 | 6368.34 |
| 0+400.000 | 14.64 | 325.16 | 325.16 | 0 | 0 | 7827.65 | 7827.65 | 1134.16 | 6693.5 |
| 0+420.000 | 12.16 | 267.98 | 267.98 | 0 | 0 | 8095.63 | 8095.63 | 1134.16 | 6961.48 |
| 0+440.000 | 10.42 | 225.81 | 225.81 | 0 | 0 | 8321.44 | 8321.44 | 1134.16 | 7187.28 |
| 0+460.000 | 9.23 | 196.5 | 196.5 | 0.1 | 0.99 | 8517.94 | 8517.94 | 1135.15 | 7382.79 |
| 0+480.000 | 9.7 | 189.31 | 189.31 | 0 | 0.99 | 8707.25 | 8707.25 | 1136.14 | 7571.11 |
| 0+500.000 | 10.61 | 203.09 | 203.09 | 0 | 0 | 8910.35 | 8910.35 | 1136.14 | 7774.2 |
| 0+520.000 | 14.02 | 246.34 | 246.34 | 0 | 0 | 9156.68 | 9156.68 | 1136.14 | 8020.54 |
| 0+540.000 | 13.94 | 279.66 | 279.66 | 0 | 0 | 9436.34 | 9436.34 | 1136.14 | 8300.2 |
| 0+560.000 | 15.48 | 294.24 | 294.24 | 0 | 0 | 9730.58 | 9730.58 | 1136.14 | 8594.44 |
| 0+580.000 | 15.98 | 314.6 | 314.6 | 0 | 0 | 10045.18 | 10045.18 | 1136.14 | 8909.04 |
| 0+600.000 | 17.19 | 331.65 | 331.65 | 0 | 0 | 10376.83 | 10376.83 | 1136.14 | 9240.69 |
| 0+620.000 | 17.53 | 347.19 | 347.19 | 0 | 0 | 10724.02 | 10724.02 | 1136.14 | 9587.88 |
| 0+640.000 | 19.46 | 369.97 | 369.97 | 0 | 0 | 11093.99 | 11093.99 | 1136.14 | 9957.85 |
| 0+660.000 | 20.13 | 395.97 | 395.97 | 0.05 | 0.47 | 11489.96 | 11489.96 | 1136.61 | 10353.35 |
| 0+680.000 | 20.1 | 402.3 | 402.3 | 0.63 | 6.77 | 11892.26 | 11892.26 | 1143.38 | 10748.88 |
| 0+700.000 | 18.66 | 387.62 | 387.62 | 3.18 | 38.06 | 12279.88 | 12279.88 | 1181.44 | 11098.44 |
| 0+713.822 | 11.72 | 209.97 | 209.97 | 26.02 | 201.75 | 12489.85 | 12489.85 | 1383.19 | 11106.66 |
| 0+720.000 | 10.46 | 68.52 | 68.52 | 28.83 | 169.42 | 12558.37 | 12558.37 | 1552.61 | 11005.76 |
| 0+740.000 | 22.9 | 334.28 | 334.28 | 2.84 | 314.62 | 12892.64 | 12892.64 | 1867.23 | 11025.41 |
| 0+760.000 | 28.89 | 518.5 | 518.5 | 0 | 27.79 | 13411.14 | 13411.14 | 1895.02 | 11516.12 |
| 0+780.000 | 33.35 | 621.01 | 621.01 | 0 | 0 | 14032.16 | 14032.16 | 1895.02 | 12137.14 |
| 0+782.595 | 33.27 | 86.45 | 86.45 | 0 | 0 | 14118.6 | 14118.6 | 1895.02 | 12223.58 |
| 0+800.000 | 37.34 | 609.6 | 609.6 | 0 | 0 | 14728.21 | 14728.21 | 1895.02 | 12833.19 |
| 0+820.000 | 38.06 | 745.37 | 745.37 | 0 | 0 | 15473.58 | 15473.58 | 1895.02 | 13578.56 |
| 0+840.000 | 39.8 | 767.96 | 767.96 | 0 | 0 | 16241.54 | 16241.54 | 1895.02 | 14346.52 |
| 0+860.000 | 35.31 | 740.13 | 740.13 | 0 | 0 | 16981.67 | 16981.67 | 1895.02 | 15086.65 |
| 0+862.106 | 34.9 | 73.94 | 73.94 | 0 | 0 | 17055.61 | 17055.61 | 1895.02 | 15160.59 |
| 0+880.000 | 30.8 | 579.43 | 579.43 | 0 | 0 | 17635.04 | 17635.04 | 1895.02 | 15740.02 |
| 0+900.000 | 22.67 | 527.56 | 527.56 | 0 | 0 | 18162.6 | 18162.6 | 1895.02 | 16267.58 |
| 0+920.000 | 20.62 | 427.47 | 427.47 | 0 | 0 | 18590.06 | 18590.06 | 1895.02 | 16695.04 |
| 0+940.000 | 17.34 | 374.78 | 374.78 | 0 | 0 | 18964.84 | 18964.84 | 1895.02 | 17069.82 |
| 0+941.617 | 17.19 | 27.92 | 27.92 | 0 | 0 | 18992.76 | 18992.76 | 1895.02 | 17097.74 |
| 0+960.000 | 17.79 | 318.18 | 318.18 | 0 | 0 | 19310.94 | 19310.94 | 1895.02 | 17415.92 |
| 0+980.000 | 0 | 176.71 | 176.71 | 0 | 0 | 19487.65 | 19487.65 | 1895.02 | 17592.63 |
| 1+000.000 | 0 | 0 | 0 | 0 | 0 | 19487.65 | 19487.65 | 1895.02 | 17592.63 |
| 1+010.391 | 0 | 0 | 0 | 0 | 0 | 19487.65 | 19487.65 | 1895.02 | 17592.63 |
| 1+020.000 | 0 | 0 | 0 | 0 | 0 | 19487.65 | 19487.65 | 1895.02 | 17592.63 |
| 1+040.000 | 0 | 0 | 0 | 0 | 0 | 19487.65 | 19487.65 | 1895.02 | 17592.63 |
| 1+046.978 | 0 | 0 | 0 | 0 | 0 | 19487.65 | 19487.65 | 1895.02 | 17592.63 |



UNIVERSITAT
POLITÈCNICA
DE VALÈNCIA



ETS INGENIEROS DE CAMINOS,
CANALES Y PUERTOS

MATERIALES DE FIRME

Alineación: Glorieta

| | Tipo de área | Área | Vol. incremental | Vol. acumul. |
|-----------------|---------------------|-------------------------|-------------------------|-----------------------|
| | | Metros cuadrados | Metros cúbicos | Metros cúbicos |
| P.K.: 0+000.000 | | | | |
| | Pavimento | 4.51 | 0 | 0 |
| | Subbase | 3.54 | 0 | 0 |
| | Base | 3.02 | 0 | 0 |
| P.K.: 0+020.000 | | | | |
| | Pavimento | 4.51 | 84.79 | 84.79 |
| | Subbase | 3.54 | 65.89 | 65.89 |
| | Base | 3.02 | 56.84 | 56.84 |
| P.K.: 0+040.000 | | | | |
| | Pavimento | 4.51 | 84.79 | 169.59 |
| | Subbase | 3.54 | 65.89 | 131.78 |
| | Base | 3.02 | 56.84 | 113.68 |
| P.K.: 0+060.000 | | | | |
| | Pavimento | 5.19 | 91.65 | 261.24 |
| | Subbase | 4.5 | 75.69 | 207.47 |
| | Base | 3.49 | 61.59 | 175.28 |
| P.K.: 0+080.000 | | | | |
| | Pavimento | 5.19 | 98.52 | 359.76 |
| | Subbase | 4.5 | 85.48 | 292.95 |
| | Base | 3.49 | 66.35 | 241.62 |
| P.K.: 0+100.000 | | | | |
| | Pavimento | 5.19 | 98.51 | 458.27 |
| | Subbase | 4.5 | 85.48 | 378.44 |
| | Base | 3.49 | 66.35 | 307.97 |
| P.K.: 0+120.000 | | | | |
| | Pavimento | 5.19 | 98.52 | 556.79 |
| | Subbase | 4.5 | 85.48 | 463.92 |
| | Base | 3.49 | 66.35 | 374.32 |
| P.K.: 0+140.000 | | | | |
| | Pavimento | 5.19 | 98.52 | 655.3 |
| | Subbase | 4.5 | 85.48 | 549.41 |
| | Base | 3.49 | 66.35 | 440.67 |
| P.K.: 0+160.000 | | | | |
| | Pavimento | 4.51 | 91.65 | 746.96 |
| | Subbase | 3.54 | 75.69 | 625.1 |
| | Base | 3.02 | 61.59 | 502.26 |
| P.K.: 0+180.000 | | | | |
| | Pavimento | 4.51 | 84.79 | 831.75 |
| | Subbase | 3.54 | 65.89 | 690.99 |
| | Base | 3.02 | 56.84 | 559.1 |
| P.K.: 0+200.000 | | | | |
| | Pavimento | 5.19 | 91.65 | 923.41 |
| | Subbase | 4.5 | 75.69 | 766.67 |
| | Base | 3.49 | 61.59 | 620.7 |
| P.K.: 0+220.000 | | | | |
| | Pavimento | 5.19 | 98.52 | 1021.92 |
| | Subbase | 4.5 | 85.48 | 852.16 |
| | Base | 3.49 | 66.35 | 687.05 |

| | | | | |
|-----------------|-----------|------|-------|---------|
| P.K.: 0+240.000 | | | | |
| | Pavimento | 5.19 | 98.52 | 1120.44 |
| | Subbase | 4.5 | 85.48 | 937.64 |
| | Base | 3.49 | 66.35 | 753.39 |
| P.K.: 0+260.000 | | | | |
| | Pavimento | 5.19 | 98.52 | 1218.95 |
| | Subbase | 4.5 | 85.48 | 1023.13 |
| | Base | 3.49 | 66.35 | 819.74 |
| P.K.: 0+267.035 | | | | |
| | Pavimento | 5.19 | 34.65 | 1253.61 |
| | Subbase | 4.5 | 30.07 | 1053.2 |
| | Base | 3.49 | 23.34 | 843.08 |
| P.K.: 0+280.000 | | | | |
| | Pavimento | 5.19 | 63.86 | 1317.47 |
| | Subbase | 4.5 | 55.41 | 1108.61 |
| | Base | 3.49 | 43.01 | 886.09 |
| P.K.: 0+300.000 | | | | |
| | Pavimento | 4.51 | 91.65 | 1409.12 |
| | Subbase | 3.54 | 75.69 | 1184.3 |
| | Base | 3.02 | 61.59 | 947.69 |
| P.K.: 0+320.000 | | | | |
| | Pavimento | 4.51 | 84.79 | 1493.91 |
| | Subbase | 3.54 | 65.89 | 1250.19 |
| | Base | 3.02 | 56.84 | 1004.53 |
| P.K.: 0+340.000 | | | | |
| | Pavimento | 4.51 | 84.79 | 1578.71 |
| | Subbase | 3.54 | 65.89 | 1316.08 |
| | Base | 3.02 | 56.84 | 1061.37 |
| P.K.: 0+360.000 | | | | |
| | Pavimento | 4.51 | 84.79 | 1663.5 |
| | Subbase | 3.54 | 65.89 | 1381.97 |
| | Base | 3.02 | 56.84 | 1118.21 |
| P.K.: 0+380.000 | | | | |
| | Pavimento | 4.51 | 84.79 | 1748.3 |
| | Subbase | 3.54 | 65.89 | 1447.86 |
| | Base | 3.02 | 56.84 | 1175.05 |
| P.K.: 0+400.000 | | | | |
| | Pavimento | 4.51 | 84.79 | 1833.09 |
| | Subbase | 3.54 | 65.89 | 1513.76 |
| | Base | 3.02 | 56.84 | 1231.89 |
| P.K.: 0+420.000 | | | | |
| | Pavimento | 4.51 | 84.79 | 1917.89 |
| | Subbase | 3.54 | 65.89 | 1579.65 |
| | Base | 3.02 | 56.84 | 1288.73 |
| P.K.: 0+440.000 | | | | |
| | Pavimento | 5.19 | 91.65 | 2009.54 |
| | Subbase | 4.5 | 75.69 | 1655.33 |
| | Base | 3.49 | 61.59 | 1350.33 |
| P.K.: 0+460.000 | | | | |
| | Pavimento | 5.19 | 98.52 | 2108.05 |
| | Subbase | 4.5 | 85.48 | 1740.82 |
| | Base | 3.49 | 66.35 | 1416.67 |
| P.K.: 0+480.000 | | | | |
| | Pavimento | 5.19 | 98.52 | 2206.57 |

| | | | | |
|-----------------|-----------|------|-------|---------|
| | Subbase | 4.5 | 85.48 | 1826.3 |
| | Base | 3.49 | 66.35 | 1483.02 |
| P.K.: 0+500.000 | | | | |
| | Pavimento | 4.51 | 91.65 | 2298.22 |
| | Subbase | 3.54 | 75.69 | 1901.99 |
| | Base | 3.02 | 61.59 | 1544.62 |
| P.K.: 0+520.000 | | | | |
| | Pavimento | 4.51 | 84.79 | 2383.02 |
| | Subbase | 3.54 | 65.89 | 1967.88 |
| | Base | 3.02 | 56.84 | 1601.46 |
| P.K.: 0+534.071 | | | | |
| | Pavimento | 4.51 | 59.66 | 2442.67 |
| | Subbase | 3.54 | 46.36 | 2014.24 |
| | Base | 3.02 | 39.99 | 1641.45 |

Alineación: Ramal EG

| | Tipo de área | Área | Vol. incremental | Vol. acumul. |
|-----------------|--------------|------------------|------------------|----------------|
| | | Metros cuadrados | Metros cúbicos | Metros cúbicos |
| P.K.: 0+000.000 | | | | |
| | Pavimento | 0 | 0 | 0 |
| | Subbase | 0 | 0 | 0 |
| | Base | 0 | 0 | 0 |
| P.K.: 0+020.000 | | | | |
| | Pavimento | 0 | 0 | 0 |
| | Subbase | 0 | 0 | 0 |
| | Base | 0 | 0 | 0 |
| P.K.: 0+040.000 | | | | |
| | Pavimento | 1 | 10.04 | 10.04 |
| | Subbase | 1.25 | 12.46 | 12.46 |
| | Base | 0.77 | 7.71 | 7.71 |
| P.K.: 0+060.000 | | | | |
| | Pavimento | 3.81 | 48.12 | 58.16 |
| | Subbase | 3.84 | 50.88 | 63.33 |
| | Base | 2.89 | 36.63 | 44.34 |
| P.K.: 0+080.000 | | | | |
| | Pavimento | 3.81 | 76.16 | 134.32 |
| | Subbase | 3.84 | 76.83 | 140.17 |
| | Base | 2.89 | 57.84 | 102.18 |
| P.K.: 0+100.000 | | | | |
| | Pavimento | 3.81 | 76.16 | 210.48 |
| | Subbase | 3.84 | 76.83 | 217 |
| | Base | 2.89 | 57.84 | 160.02 |
| P.K.: 0+120.000 | | | | |
| | Pavimento | 3.81 | 76.16 | 286.64 |
| | Subbase | 3.84 | 76.83 | 293.83 |
| | Base | 2.89 | 57.84 | 217.86 |
| P.K.: 0+140.000 | | | | |
| | Pavimento | 0 | 38.08 | 324.72 |
| | Subbase | 0 | 38.42 | 332.25 |
| | Base | 0 | 28.92 | 246.78 |

| | | | | |
|-----------------|-----------|---|---|--------|
| P.K.: 0+146.108 | | | | |
| | Pavimento | 0 | 0 | 324.72 |
| | Subbase | 0 | 0 | 332.25 |
| | Base | 0 | 0 | 246.78 |

Alineación: Ramal EW

| | Tipo de área | Área | Vol. incremental | Vol. acumul. |
|-----------------|--------------|------------------|------------------|----------------|
| | | Metros cuadrados | Metros cúbicos | Metros cúbicos |
| P.K.: 0+000.000 | | | | |
| | Pavimento | 10.41 | 0 | 0 |
| | Subbase | 10.77 | 0 | 0 |
| | Base | 7.09 | 0 | 0 |
| | Barrera | 0.57 | 0 | 0 |
| P.K.: 0+020.000 | | | | |
| | Pavimento | 10.41 | 208.2 | 208.2 |
| | Subbase | 10.77 | 215.33 | 215.33 |
| | Base | 7.09 | 141.84 | 141.84 |
| | Barrera | 0.57 | 11.36 | 11.36 |
| P.K.: 0+040.000 | | | | |
| | Pavimento | 10.41 | 208.2 | 416.4 |
| | Subbase | 10.77 | 215.33 | 430.66 |
| | Base | 7.09 | 141.84 | 283.68 |
| | Barrera | 0.57 | 11.36 | 22.73 |
| P.K.: 0+060.000 | | | | |
| | Pavimento | 10.41 | 208.2 | 624.6 |
| | Subbase | 10.77 | 215.33 | 645.99 |
| | Base | 7.09 | 141.84 | 425.52 |
| | Barrera | 0.57 | 11.36 | 34.09 |
| P.K.: 0+080.000 | | | | |
| | Pavimento | 10.41 | 208.2 | 832.8 |
| | Subbase | 10.77 | 215.33 | 861.31 |
| | Base | 7.09 | 141.84 | 567.36 |
| | Barrera | 0.57 | 11.36 | 45.45 |
| P.K.: 0+100.000 | | | | |
| | Pavimento | 10.41 | 208.2 | 1041 |
| | Subbase | 10.77 | 215.33 | 1076.64 |
| | Base | 7.09 | 141.84 | 709.2 |
| | Barrera | 0.57 | 11.36 | 56.81 |
| P.K.: 0+120.000 | | | | |
| | Pavimento | 10.41 | 208.2 | 1249.2 |
| | Subbase | 10.77 | 215.33 | 1291.97 |
| | Base | 7.09 | 141.84 | 851.04 |
| | Barrera | 0.57 | 11.36 | 68.18 |
| P.K.: 0+140.000 | | | | |
| | Pavimento | 10.41 | 208.2 | 1457.4 |
| | Subbase | 10.77 | 215.33 | 1507.3 |
| | Base | 7.09 | 141.84 | 992.88 |
| | Barrera | 0.57 | 11.36 | 79.54 |
| P.K.: 0+160.000 | | | | |
| | Pavimento | 10.41 | 208.2 | 1665.6 |

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|-----------------|-----------|-------|--------|---------|
| | Subbase | 10.77 | 215.33 | 1722.63 |
| | Base | 7.09 | 141.84 | 1134.72 |
| | Barrera | 0.57 | 11.36 | 90.9 |
| P.K.: 0+166.377 | | | | |
| | Pavimento | 10.41 | 66.38 | 1731.98 |
| | Subbase | 10.77 | 68.65 | 1791.28 |
| | Base | 7.09 | 45.22 | 1179.94 |
| | Barrera | 0.57 | 3.62 | 94.52 |
| P.K.: 0+180.000 | | | | |
| | Pavimento | 10.41 | 141.82 | 1873.8 |
| | Subbase | 10.77 | 146.68 | 1937.96 |
| | Base | 7.09 | 96.62 | 1276.56 |
| | Barrera | 0.57 | 7.74 | 102.26 |
| P.K.: 0+200.000 | | | | |
| | Pavimento | 10.41 | 208.2 | 2082 |
| | Subbase | 10.77 | 215.33 | 2153.29 |
| | Base | 7.09 | 141.84 | 1418.4 |
| | Barrera | 0.57 | 11.36 | 113.63 |
| P.K.: 0+220.000 | | | | |
| | Pavimento | 10.41 | 208.2 | 2290.2 |
| | Subbase | 10.77 | 215.33 | 2368.62 |
| | Base | 7.09 | 141.84 | 1560.24 |
| | Barrera | 0.57 | 11.36 | 124.99 |
| P.K.: 0+224.727 | | | | |
| | Pavimento | 10.41 | 49.21 | 2339.41 |
| | Subbase | 10.77 | 50.89 | 2419.51 |
| | Base | 7.09 | 33.52 | 1593.76 |
| | Barrera | 0.57 | 2.69 | 127.67 |
| P.K.: 0+240.000 | | | | |
| | Pavimento | 10.41 | 158.99 | 2498.4 |
| | Subbase | 10.77 | 164.44 | 2583.95 |
| | Base | 7.09 | 108.32 | 1702.08 |
| | Barrera | 0.57 | 8.68 | 136.35 |
| P.K.: 0+260.000 | | | | |
| | Pavimento | 10.41 | 208.2 | 2706.6 |
| | Subbase | 10.77 | 215.33 | 2799.27 |
| | Base | 7.09 | 141.84 | 1843.92 |
| | Barrera | 0.57 | 11.36 | 147.71 |
| P.K.: 0+280.000 | | | | |
| | Pavimento | 10.41 | 208.2 | 2914.8 |
| | Subbase | 10.77 | 215.33 | 3014.6 |
| | Base | 7.09 | 141.84 | 1985.76 |
| | Barrera | 0.57 | 11.36 | 159.08 |
| P.K.: 0+283.077 | | | | |
| | Pavimento | 10.41 | 32.03 | 2946.83 |
| | Subbase | 10.77 | 33.13 | 3047.73 |
| | Base | 7.09 | 21.82 | 2007.58 |
| | Barrera | 0.57 | 1.75 | 160.82 |
| P.K.: 0+300.000 | | | | |
| | Pavimento | 10.41 | 176.17 | 3123 |
| | Subbase | 10.77 | 182.2 | 3229.93 |
| | Base | 7.09 | 120.02 | 2127.6 |
| | Barrera | 0.57 | 9.61 | 170.44 |
| P.K.: 0+320.000 | | | | |

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|-----------------|-----------|-------|--------|---------|
| | Pavimento | 10.41 | 208.2 | 3331.2 |
| | Subbase | 10.77 | 215.33 | 3445.26 |
| | Base | 7.09 | 141.84 | 2269.44 |
| | Barrera | 0.57 | 11.36 | 181.8 |
| P.K.: 0+340.000 | | | | |
| | Pavimento | 10.41 | 208.2 | 3539.4 |
| | Subbase | 10.77 | 215.33 | 3660.59 |
| | Base | 7.09 | 141.84 | 2411.28 |
| | Barrera | 0.57 | 11.36 | 193.16 |
| P.K.: 0+360.000 | | | | |
| | Pavimento | 10.41 | 208.2 | 3747.6 |
| | Subbase | 10.77 | 215.33 | 3875.92 |
| | Base | 7.09 | 141.84 | 2553.12 |
| | Barrera | 0.57 | 11.36 | 204.53 |
| P.K.: 0+380.000 | | | | |
| | Pavimento | 10.41 | 208.2 | 3955.8 |
| | Subbase | 10.77 | 215.33 | 4091.25 |
| | Base | 7.09 | 141.84 | 2694.96 |
| | Barrera | 0.57 | 11.36 | 215.89 |
| P.K.: 0+400.000 | | | | |
| | Pavimento | 11.76 | 221.7 | 4177.5 |
| | Subbase | 9.1 | 198.63 | 4289.88 |
| | Base | 7.99 | 150.84 | 2845.8 |
| | Barrera | 0 | 5.68 | 221.57 |
| P.K.: 0+420.000 | | | | |
| | Pavimento | 11.76 | 235.2 | 4412.7 |
| | Subbase | 9.1 | 181.93 | 4471.8 |
| | Base | 7.99 | 159.84 | 3005.64 |
| | Barrera | 0 | 0 | 221.57 |
| P.K.: 0+440.000 | | | | |
| | Pavimento | 11.76 | 235.16 | 4647.86 |
| | Subbase | 9.09 | 181.9 | 4653.7 |
| | Base | 7.99 | 159.81 | 3165.45 |
| | Barrera | 0 | 0 | 221.57 |
| P.K.: 0+460.000 | | | | |
| | Pavimento | 11.22 | 229.71 | 4877.57 |
| | Subbase | 8.73 | 178.27 | 4831.97 |
| | Base | 7.63 | 156.18 | 3321.63 |
| | Barrera | 0 | 0 | 221.57 |
| P.K.: 0+480.000 | | | | |
| | Pavimento | 10.68 | 218.91 | 5096.48 |
| | Subbase | 8.37 | 171.07 | 5003.04 |
| | Base | 7.27 | 148.98 | 3470.61 |
| | Barrera | 0 | 0 | 221.57 |
| P.K.: 0+500.000 | | | | |
| | Pavimento | 10.14 | 208.11 | 5304.59 |
| | Subbase | 8.01 | 163.87 | 5166.91 |
| | Base | 6.91 | 141.78 | 3612.39 |
| | Barrera | 0 | 0 | 221.57 |
| P.K.: 0+520.000 | | | | |
| | Pavimento | 5.09 | 152.26 | 5456.85 |
| | Subbase | 4.11 | 121.19 | 5288.1 |
| | Base | 3.53 | 104.37 | 3716.76 |
| | Barrera | 0 | 0 | 221.57 |

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|-----------------|-----------|------|-------|---------|
| P.K.: 0+540.000 | | | | |
| | Pavimento | 1.61 | 66.99 | 5523.83 |
| | Subbase | 1.07 | 51.77 | 5339.87 |
| | Base | 1.07 | 46 | 3762.76 |
| | Barrera | 0 | 0 | 221.57 |
| P.K.: 0+560.000 | | | | |
| | Pavimento | 3.15 | 47.58 | 5571.42 |
| | Subbase | 2.1 | 31.72 | 5371.59 |
| | Base | 2.1 | 31.72 | 3794.48 |
| | Barrera | 0 | 0 | 221.57 |
| P.K.: 0+580.000 | | | | |
| | Pavimento | 3.49 | 66.43 | 5637.84 |
| | Subbase | 2.87 | 49.73 | 5421.32 |
| | Base | 2.35 | 44.46 | 3838.94 |
| | Barrera | 0 | 0 | 221.57 |
| P.K.: 0+600.000 | | | | |
| | Pavimento | 3.49 | 69.85 | 5707.69 |
| | Subbase | 2.87 | 57.46 | 5478.79 |
| | Base | 2.35 | 46.92 | 3885.86 |
| | Barrera | 0 | 0 | 221.57 |
| P.K.: 0+620.000 | | | | |
| | Pavimento | 3.49 | 69.85 | 5777.54 |
| | Subbase | 2.86 | 57.37 | 5536.15 |
| | Base | 2.35 | 46.92 | 3932.78 |
| | Barrera | 0 | 0 | 221.57 |
| P.K.: 0+635.677 | | | | |
| | Pavimento | 3.72 | 56.52 | 5834.06 |
| | Subbase | 3.01 | 46.05 | 5582.21 |
| | Base | 2.5 | 37.95 | 3970.74 |
| | Barrera | 0 | 0 | 221.57 |
| P.K.: 0+640.000 | | | | |
| | Pavimento | 3.72 | 16.07 | 5850.13 |
| | Subbase | 3.01 | 13.02 | 5595.22 |
| | Base | 2.5 | 10.79 | 3981.53 |
| | Barrera | 0 | 0 | 221.57 |
| P.K.: 0+660.000 | | | | |
| | Pavimento | 3.72 | 74.35 | 5924.48 |
| | Subbase | 3.02 | 60.28 | 5655.51 |
| | Base | 2.5 | 49.92 | 4031.45 |
| | Barrera | 0 | 0 | 221.57 |
| P.K.: 0+680.000 | | | | |
| | Pavimento | 3.72 | 74.34 | 5998.81 |
| | Subbase | 3.03 | 60.36 | 5715.87 |
| | Base | 2.5 | 49.91 | 4081.36 |
| | Barrera | 0 | 0 | 221.57 |
| P.K.: 0+700.000 | | | | |
| | Pavimento | 3.6 | 73.16 | 6071.98 |
| | Subbase | 2.4 | 54.21 | 5770.08 |
| | Base | 2.4 | 48.95 | 4130.31 |
| | Barrera | 0 | 0 | 221.57 |
| P.K.: 0+708.820 | | | | |
| | Pavimento | 3.6 | 31.75 | 6103.73 |
| | Subbase | 2.4 | 21.17 | 5791.25 |
| | Base | 2.4 | 21.17 | 4151.48 |

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|-----------------|-----------|------|-------|---------|
| | Barrera | 0 | 0 | 221.57 |
| P.K.: 0+720.000 | | | | |
| | Pavimento | 3.6 | 40.25 | 6143.98 |
| | Subbase | 2.4 | 26.83 | 5818.08 |
| | Base | 2.4 | 26.83 | 4178.31 |
| | Barrera | 0 | 0 | 221.57 |
| P.K.: 0+726.641 | | | | |
| | Pavimento | 3.6 | 23.91 | 6167.88 |
| | Subbase | 2.4 | 15.94 | 5834.02 |
| | Base | 2.4 | 15.94 | 4194.25 |
| | Barrera | 0 | 0 | 221.57 |
| P.K.: 0+740.000 | | | | |
| | Pavimento | 3.84 | 49.66 | 6217.55 |
| | Subbase | 3.61 | 40.11 | 5874.13 |
| | Base | 2.59 | 33.35 | 4227.59 |
| | Barrera | 0 | 0 | 221.57 |
| P.K.: 0+744.461 | | | | |
| | Pavimento | 3.83 | 17.11 | 6234.66 |
| | Subbase | 3.61 | 16.09 | 5890.21 |
| | Base | 2.59 | 11.56 | 4239.15 |
| | Barrera | 0 | 0 | 221.57 |
| P.K.: 0+760.000 | | | | |
| | Pavimento | 3.83 | 59.59 | 6294.25 |
| | Subbase | 3.6 | 56 | 5946.22 |
| | Base | 2.59 | 40.28 | 4279.43 |
| | Barrera | 0 | 0 | 221.57 |
| P.K.: 0+780.000 | | | | |
| | Pavimento | 3.84 | 76.7 | 6370.95 |
| | Subbase | 3.6 | 72.05 | 6018.27 |
| | Base | 2.59 | 51.84 | 4331.27 |
| | Barrera | 0 | 0 | 221.57 |
| P.K.: 0+800.000 | | | | |
| | Pavimento | 3.83 | 76.7 | 6447.65 |
| | Subbase | 3.6 | 72.03 | 6090.3 |
| | Base | 2.59 | 51.84 | 4383.11 |
| | Barrera | 0 | 0 | 221.57 |
| P.K.: 0+817.604 | | | | |
| | Pavimento | 3.6 | 65.44 | 6513.09 |
| | Subbase | 2.4 | 52.82 | 6143.12 |
| | Base | 2.4 | 43.94 | 4427.05 |
| | Barrera | 0 | 0 | 221.57 |
| P.K.: 0+820.000 | | | | |
| | Pavimento | 3.6 | 8.63 | 6521.72 |
| | Subbase | 2.4 | 5.75 | 6148.87 |
| | Base | 2.4 | 5.75 | 4432.8 |
| | Barrera | 0 | 0 | 221.57 |
| P.K.: 0+840.000 | | | | |
| | Pavimento | 3.6 | 72 | 6593.72 |
| | Subbase | 2.4 | 48 | 6196.87 |
| | Base | 2.4 | 48 | 4480.8 |
| | Barrera | 0 | 0 | 221.57 |
| P.K.: 0+860.000 | | | | |
| | Pavimento | 3.84 | 74.35 | 6668.07 |
| | Subbase | 3.65 | 60.46 | 6257.34 |

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|-----------------|-----------|------|-------|---------|
| | Base | 2.59 | 49.92 | 4530.72 |
| | Barrera | 0 | 0 | 221.57 |
| P.K.: 0+880.000 | | | | |
| | Pavimento | 3.83 | 76.7 | 6744.77 |
| | Subbase | 3.65 | 72.93 | 6330.27 |
| | Base | 2.59 | 51.84 | 4582.56 |
| | Barrera | 0 | 0 | 221.57 |
| P.K.: 0+900.000 | | | | |
| | Pavimento | 3.83 | 76.7 | 6821.47 |
| | Subbase | 3.65 | 72.93 | 6403.2 |
| | Base | 2.59 | 51.84 | 4634.4 |
| | Barrera | 0 | 0 | 221.57 |
| P.K.: 0+920.000 | | | | |
| | Pavimento | 3.83 | 76.7 | 6898.17 |
| | Subbase | 3.65 | 72.93 | 6476.12 |
| | Base | 2.59 | 51.84 | 4686.24 |
| | Barrera | 0 | 0 | 221.57 |
| P.K.: 0+940.000 | | | | |
| | Pavimento | 3.49 | 73.27 | 6971.44 |
| | Subbase | 2.87 | 65.2 | 6541.32 |
| | Base | 2.35 | 49.38 | 4735.62 |
| | Barrera | 0 | 0 | 221.57 |
| P.K.: 0+960.000 | | | | |
| | Pavimento | 3.49 | 69.85 | 7041.29 |
| | Subbase | 2.87 | 57.46 | 6598.79 |
| | Base | 2.35 | 46.92 | 4782.54 |
| | Barrera | 0 | 0 | 221.57 |
| P.K.: 0+980.000 | | | | |
| | Pavimento | 3.49 | 69.85 | 7111.14 |
| | Subbase | 2.87 | 57.46 | 6656.25 |
| | Base | 2.35 | 46.92 | 4829.46 |
| | Barrera | 0 | 0 | 221.57 |
| P.K.: 1+000.000 | | | | |
| | Pavimento | 3.49 | 69.85 | 7180.99 |
| | Subbase | 2.87 | 57.42 | 6713.67 |
| | Base | 2.35 | 46.92 | 4876.38 |
| | Barrera | 0 | 0 | 221.57 |
| P.K.: 1+020.000 | | | | |
| | Pavimento | 3.49 | 69.85 | 7250.84 |
| | Subbase | 2.86 | 57.24 | 6770.91 |
| | Base | 2.35 | 46.92 | 4923.3 |
| | Barrera | 0 | 0 | 221.57 |
| P.K.: 1+040.000 | | | | |
| | Pavimento | 3.15 | 66.42 | 7317.27 |
| | Subbase | 2.1 | 49.56 | 6820.47 |
| | Base | 2.1 | 44.46 | 4967.76 |
| | Barrera | 0 | 0 | 221.57 |
| P.K.: 1+060.000 | | | | |
| | Pavimento | 2.99 | 61.35 | 7378.62 |
| | Subbase | 1.99 | 40.9 | 6861.37 |
| | Base | 1.99 | 40.9 | 5008.66 |
| | Barrera | 0 | 0 | 221.57 |
| P.K.: 1+080.000 | | | | |
| | Pavimento | 2.16 | 51.46 | 7430.08 |

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|-----------------|-----------|------|-------|---------|
| | Subbase | 1.44 | 34.3 | 6895.67 |
| | Base | 1.44 | 34.3 | 5042.97 |
| | Barrera | 0 | 0 | 221.57 |
| P.K.: 1+094.181 | | | | |
| | Pavimento | 1.58 | 26.48 | 7456.56 |
| | Subbase | 1.05 | 17.66 | 6913.33 |
| | Base | 1.05 | 17.66 | 5060.62 |
| | Barrera | 0 | 0 | 221.57 |
| P.K.: 1+100.000 | | | | |
| | Pavimento | 1.58 | 9.17 | 7465.73 |
| | Subbase | 1.05 | 6.11 | 6919.44 |
| | Base | 1.05 | 6.11 | 5066.74 |
| | Barrera | 0 | 0 | 221.57 |
| P.K.: 1+120.000 | | | | |
| | Pavimento | 0 | 15.83 | 7481.56 |
| | Subbase | 0 | 10.55 | 6929.99 |
| | Base | 0 | 10.55 | 5077.29 |
| | Barrera | 0 | 0 | 221.57 |
| P.K.: 1+120.269 | | | | |
| | Pavimento | 0 | 0 | 7481.56 |
| | Subbase | 0 | 0 | 6929.99 |
| | Base | 0 | 0 | 5077.29 |
| | Barrera | 0 | 0 | 221.57 |
| P.K.: 1+140.000 | | | | |
| | Pavimento | 0 | 0 | 7481.56 |
| | Subbase | 0 | 0 | 6929.99 |
| | Base | 0 | 0 | 5077.29 |
| | Barrera | 0 | 0 | 221.57 |
| P.K.: 1+146.356 | | | | |
| | Pavimento | 0 | 0 | 7481.56 |
| | Subbase | 0 | 0 | 6929.99 |
| | Base | 0 | 0 | 5077.29 |
| | Barrera | 0 | 0 | 221.57 |
| P.K.: 1+160.000 | | | | |
| | Pavimento | 2.92 | 19.91 | 7501.47 |
| | Subbase | 2.85 | 19.45 | 6949.44 |
| | Base | 2.33 | 15.88 | 5093.16 |
| | Barrera | 0 | 0 | 221.57 |
| P.K.: 1+180.000 | | | | |
| | Pavimento | 3.34 | 62.63 | 7564.1 |
| | Subbase | 3.16 | 60.08 | 7009.52 |
| | Base | 2.65 | 49.73 | 5142.9 |
| | Barrera | 0 | 0 | 221.57 |
| P.K.: 1+200.000 | | | | |
| | Pavimento | 2.57 | 59.1 | 7623.2 |
| | Subbase | 2.08 | 52.42 | 7061.94 |
| | Base | 2.04 | 46.9 | 5189.8 |
| | Barrera | 0 | 0 | 221.57 |
| P.K.: 1+220.000 | | | | |
| | Pavimento | 2.99 | 55.56 | 7678.76 |
| | Subbase | 2.4 | 44.87 | 7106.81 |
| | Base | 2.36 | 44.07 | 5233.87 |
| | Barrera | 0 | 0 | 221.57 |
| P.K.: 1+240.000 | | | | |

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|-----------------|-----------|-------|--------|---------|
| | Pavimento | 10 | 129.86 | 7808.63 |
| | Subbase | 8.14 | 105.48 | 7212.29 |
| | Base | 7.63 | 99.98 | 5333.85 |
| | Barrera | 0 | 0 | 221.57 |
| P.K.: 1+260.000 | | | | |
| | Pavimento | 10.01 | 200.06 | 8008.69 |
| | Subbase | 8.16 | 163.05 | 7375.34 |
| | Base | 7.65 | 152.8 | 5486.66 |
| | Barrera | 0 | 0 | 221.57 |
| P.K.: 1+280.000 | | | | |
| | Pavimento | 9.07 | 190.76 | 8199.45 |
| | Subbase | 7.45 | 156.13 | 7531.47 |
| | Base | 6.94 | 145.83 | 5632.49 |
| | Barrera | 0 | 0 | 221.57 |
| P.K.: 1+300.000 | | | | |
| | Pavimento | 8.22 | 172.87 | 8372.32 |
| | Subbase | 6.82 | 142.71 | 7674.18 |
| | Base | 6.3 | 132.41 | 5764.9 |
| | Barrera | 0 | 0 | 221.57 |
| P.K.: 1+320.000 | | | | |
| | Pavimento | 6.82 | 150.4 | 8522.72 |
| | Subbase | 8.21 | 150.26 | 7824.44 |
| | Base | 5.25 | 115.56 | 5880.46 |
| | Barrera | 0.57 | 5.68 | 227.25 |
| P.K.: 1+340.000 | | | | |
| | Pavimento | 6.62 | 134.42 | 8657.13 |
| | Subbase | 8.06 | 162.67 | 7987.1 |
| | Base | 5.1 | 103.57 | 5984.03 |
| | Barrera | 0.57 | 11.36 | 238.61 |
| P.K.: 1+360.000 | | | | |
| | Pavimento | 11.83 | 184.51 | 8841.65 |
| | Subbase | 12.46 | 205.17 | 8192.28 |
| | Base | 9.03 | 141.33 | 6125.36 |
| | Barrera | 0.57 | 11.36 | 249.98 |
| P.K.: 1+380.000 | | | | |
| | Pavimento | 11.63 | 234.61 | 9076.26 |
| | Subbase | 12.31 | 247.67 | 8439.95 |
| | Base | 8.88 | 179.08 | 6304.44 |
| | Barrera | 0.57 | 11.36 | 261.34 |
| P.K.: 1+400.000 | | | | |
| | Pavimento | 11.44 | 230.67 | 9306.94 |
| | Subbase | 12.16 | 244.69 | 8684.64 |
| | Base | 8.73 | 176.12 | 6480.56 |
| | Barrera | 0.57 | 11.36 | 272.7 |
| P.K.: 1+420.000 | | | | |
| | Pavimento | 11.24 | 226.73 | 9533.67 |
| | Subbase | 11.99 | 241.52 | 8926.16 |
| | Base | 8.58 | 173.17 | 6653.73 |
| | Barrera | 0.57 | 11.36 | 284.06 |
| P.K.: 1+439.127 | | | | |
| | Pavimento | 11.05 | 213.15 | 9746.81 |
| | Subbase | 11.84 | 227.93 | 9154.1 |
| | Base | 8.44 | 162.84 | 6816.58 |
| | Barrera | 0.57 | 10.87 | 294.93 |

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|-----------------|-----------|-------|--------|----------|
| P.K.: 1+440.000 | | | | |
| | Pavimento | 11.04 | 9.65 | 9756.46 |
| | Subbase | 11.83 | 10.34 | 9164.43 |
| | Base | 8.44 | 7.37 | 6823.95 |
| | Barrera | 0.57 | 0.5 | 295.43 |
| P.K.: 1+460.000 | | | | |
| | Pavimento | 10.83 | 218.68 | 9975.14 |
| | Subbase | 11.67 | 235.01 | 9399.44 |
| | Base | 8.28 | 167.13 | 6991.08 |
| | Barrera | 0.57 | 11.36 | 306.79 |
| P.K.: 1+480.000 | | | | |
| | Pavimento | 10.65 | 215.1 | 10190.24 |
| | Subbase | 11.53 | 232.26 | 9631.7 |
| | Base | 8.14 | 164.45 | 7155.52 |
| | Barrera | 0.57 | 11.36 | 318.15 |
| P.K.: 1+500.000 | | | | |
| | Pavimento | 10.65 | 213.57 | 10403.82 |
| | Subbase | 11.53 | 231.13 | 9862.83 |
| | Base | 8.14 | 163.3 | 7318.83 |
| | Barrera | 0.57 | 11.36 | 329.51 |
| P.K.: 1+515.182 | | | | |
| | Pavimento | 10.65 | 162.29 | 10566.1 |
| | Subbase | 11.53 | 175.6 | 10038.43 |
| | Base | 8.14 | 124.09 | 7442.91 |
| | Barrera | 0.57 | 8.63 | 338.14 |
| P.K.: 1+520.000 | | | | |
| | Pavimento | 10.65 | 51.3 | 10617.4 |
| | Subbase | 11.53 | 55.57 | 10094 |
| | Base | 8.14 | 39.23 | 7482.14 |
| | Barrera | 0.57 | 2.74 | 340.88 |
| P.K.: 1+540.000 | | | | |
| | Pavimento | 10.65 | 213.88 | 10831.28 |
| | Subbase | 11.53 | 231.41 | 10325.4 |
| | Base | 8.14 | 163.53 | 7645.67 |
| | Barrera | 0.57 | 11.36 | 352.24 |
| P.K.: 1+560.000 | | | | |
| | Pavimento | 10.65 | 213.88 | 11045.16 |
| | Subbase | 11.53 | 231.41 | 10556.81 |
| | Base | 8.14 | 163.53 | 7809.2 |
| | Barrera | 0.57 | 11.36 | 363.6 |
| P.K.: 1+563.558 | | | | |
| | Pavimento | 10.65 | 37.89 | 11083.05 |
| | Subbase | 11.53 | 41.04 | 10597.85 |
| | Base | 8.14 | 28.97 | 7838.18 |
| | Barrera | 0.57 | 2.02 | 365.62 |
| P.K.: 1+580.000 | | | | |
| | Pavimento | 10.65 | 175.82 | 11258.87 |
| | Subbase | 11.53 | 190.23 | 10788.08 |
| | Base | 8.14 | 134.44 | 7972.61 |
| | Barrera | 0.57 | 9.34 | 374.96 |
| P.K.: 1+600.000 | | | | |
| | Pavimento | 10.65 | 213.88 | 11472.75 |
| | Subbase | 11.53 | 231.41 | 11019.49 |
| | Base | 8.14 | 163.53 | 8136.14 |

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|-----------------|-----------|-------|--------|----------|
| | Barrera | 0.57 | 11.36 | 386.33 |
| P.K.: 1+611.935 | | | | |
| | Pavimento | 10.65 | 127.63 | 11600.38 |
| | Subbase | 11.53 | 138.09 | 11157.58 |
| | Base | 8.14 | 97.58 | 8233.73 |
| | Barrera | 0.57 | 6.78 | 393.11 |
| P.K.: 1+620.000 | | | | |
| | Pavimento | 10.65 | 85.88 | 11686.26 |
| | Subbase | 11.53 | 93.02 | 11250.6 |
| | Base | 8.14 | 65.67 | 8299.39 |
| | Barrera | 0.57 | 4.58 | 397.69 |
| P.K.: 1+640.000 | | | | |
| | Pavimento | 10.65 | 213.66 | 11899.92 |
| | Subbase | 11.53 | 231.21 | 11481.81 |
| | Base | 8.14 | 163.37 | 8462.76 |
| | Barrera | 0.57 | 11.36 | 409.05 |
| P.K.: 1+660.000 | | | | |
| | Pavimento | 10.65 | 213.42 | 12113.34 |
| | Subbase | 11.53 | 230.99 | 11712.8 |
| | Base | 8.14 | 163.19 | 8625.95 |
| | Barrera | 0.57 | 11.36 | 420.41 |
| P.K.: 1+680.000 | | | | |
| | Pavimento | 10.65 | 212.96 | 12326.3 |
| | Subbase | 11.54 | 230.68 | 11943.48 |
| | Base | 8.14 | 162.84 | 8788.79 |
| | Barrera | 0.57 | 11.36 | 431.78 |
| P.K.: 1+687.990 | | | | |
| | Pavimento | 10.65 | 85.08 | 12411.38 |
| | Subbase | 11.54 | 92.2 | 12035.67 |
| | Base | 8.14 | 65.06 | 8853.84 |
| | Barrera | 0.57 | 4.54 | 436.31 |
| P.K.: 1+697.996 | | | | |
| | Pavimento | 10.65 | 106.54 | 12517.92 |
| | Subbase | 11.57 | 115.63 | 12151.3 |
| | Base | 8.14 | 81.47 | 8935.31 |
| | Barrera | 0.57 | 5.68 | 442 |

Alineación: Ramal GE

| | Tipo de área | Área | Vol. incremental | Vol. acumul. |
|-----------------|--------------|------------------|------------------|----------------|
| | | Metros cuadrados | Metros cúbicos | Metros cúbicos |
| P.K.: 0+000.000 | | | | |
| | Pavimento | 4.2 | 0 | 0 |
| | Subbase | 3.65 | 0 | 0 |
| | Base | 3.17 | 0 | 0 |
| P.K.: 0+020.000 | | | | |
| | Pavimento | 4.8 | 90.08 | 90.08 |
| | Subbase | 4.1 | 77.42 | 77.42 |
| | Base | 3.62 | 67.92 | 67.92 |
| P.K.: 0+040.000 | | | | |
| | Pavimento | 4.8 | 96.08 | 186.16 |

| | | | | |
|-----------------|-----------|------|-------|--------|
| | Subbase | 4.1 | 81.92 | 159.33 |
| | Base | 3.62 | 72.42 | 140.34 |
| P.K.: 0+060.000 | | | | |
| | Pavimento | 4.3 | 91.04 | 277.2 |
| | Subbase | 3.72 | 78.13 | 237.47 |
| | Base | 3.24 | 68.64 | 208.98 |
| P.K.: 0+080.000 | | | | |
| | Pavimento | 3.6 | 78.99 | 356.19 |
| | Subbase | 3.19 | 69.1 | 306.57 |
| | Base | 2.72 | 59.6 | 268.58 |
| P.K.: 0+100.000 | | | | |
| | Pavimento | 2.8 | 64.04 | 420.23 |
| | Subbase | 2.6 | 57.88 | 364.45 |
| | Base | 2.12 | 48.39 | 316.97 |
| P.K.: 0+120.000 | | | | |
| | Pavimento | 0 | 28.04 | 448.27 |
| | Subbase | 0 | 25.96 | 390.41 |
| | Base | 0 | 21.21 | 338.18 |
| P.K.: 0+140.000 | | | | |
| | Pavimento | 0 | 0 | 448.27 |
| | Subbase | 0 | 0 | 390.41 |
| | Base | 0 | 0 | 338.18 |
| P.K.: 0+160.000 | | | | |
| | Pavimento | 0 | 0 | 448.27 |
| | Subbase | 0 | 0 | 390.41 |
| | Base | 0 | 0 | 338.18 |
| P.K.: 0+175.507 | | | | |
| | Pavimento | 0 | 0 | 448.27 |
| | Subbase | 0 | 0 | 390.41 |
| | Base | 0 | 0 | 338.18 |

Alineación: Ramal GW

| | Tipo de área | Área | Vol. incremental | Vol. acumul. |
|-----------------|---------------------|-------------------------|-------------------------|-----------------------|
| | | Metros cuadrados | Metros cúbicos | Metros cúbicos |
| P.K.: 0+000.000 | | | | |
| | Pavimento | 0 | 0 | 0 |
| | Subbase | 0 | 0 | 0 |
| | Base | 0 | 0 | 0 |
| P.K.: 0+020.000 | | | | |
| | Pavimento | 5.21 | 52.08 | 52.08 |
| | Subbase | 4.89 | 48.92 | 48.92 |
| | Base | 3.94 | 39.42 | 39.42 |
| P.K.: 0+040.000 | | | | |
| | Pavimento | 5.21 | 104.16 | 156.24 |
| | Subbase | 4.89 | 97.83 | 146.75 |
| | Base | 3.94 | 78.84 | 118.26 |
| P.K.: 0+060.000 | | | | |
| | Pavimento | 5.03 | 102.39 | 258.63 |
| | Subbase | 4.76 | 96.51 | 243.26 |
| | Base | 3.81 | 77.52 | 195.78 |

| | | | | |
|-----------------|-----------|------|-------|--------|
| P.K.: 0+080.000 | | | | |
| | Pavimento | 4.33 | 93.57 | 352.2 |
| | Subbase | 4.23 | 89.89 | 333.15 |
| | Base | 3.28 | 70.9 | 266.67 |
| P.K.: 0+100.000 | | | | |
| | Pavimento | 3.81 | 81.33 | 433.54 |
| | Subbase | 3.84 | 80.71 | 413.86 |
| | Base | 2.89 | 61.72 | 328.39 |
| P.K.: 0+120.000 | | | | |
| | Pavimento | 3.81 | 76.16 | 509.7 |
| | Subbase | 3.84 | 76.83 | 490.7 |
| | Base | 2.89 | 57.84 | 386.23 |
| P.K.: 0+140.000 | | | | |
| | Pavimento | 3.81 | 76.16 | 585.86 |
| | Subbase | 3.84 | 76.83 | 567.53 |
| | Base | 2.89 | 57.84 | 444.07 |
| P.K.: 0+160.000 | | | | |
| | Pavimento | 0 | 38.08 | 623.94 |
| | Subbase | 0 | 38.42 | 605.95 |
| | Base | 0 | 28.92 | 472.99 |
| P.K.: 0+180.000 | | | | |
| | Pavimento | 0 | 0 | 623.94 |
| | Subbase | 0 | 0 | 605.95 |
| | Base | 0 | 0 | 472.99 |
| P.K.: 0+200.000 | | | | |
| | Pavimento | 0 | 0 | 623.94 |
| | Subbase | 0 | 0 | 605.95 |
| | Base | 0 | 0 | 472.99 |
| P.K.: 0+220.000 | | | | |
| | Pavimento | 0 | 0 | 623.94 |
| | Subbase | 0 | 0 | 605.95 |
| | Base | 0 | 0 | 472.99 |
| P.K.: 0+240.000 | | | | |
| | Pavimento | 0 | 0 | 623.94 |
| | Subbase | 0 | 0 | 605.95 |
| | Base | 0 | 0 | 472.99 |
| P.K.: 0+242.561 | | | | |
| | Pavimento | 0 | 0 | 623.94 |
| | Subbase | 0 | 0 | 605.95 |
| | Base | 0 | 0 | 472.99 |

Alineación: Intersección EG-G

| | Tipo de área | Área | Vol. incremental | Vol. acumul. |
|-----------------|---------------------|-------------------------|-------------------------|-----------------------|
| | | Metros cuadrados | Metros cúbicos | Metros cúbicos |
| P.K.: 0+000.000 | | | | |
| | Pavimento | 3.16 | 0 | 0 |
| | Subbase | 2.61 | 0 | 0 |
| | Base | 2.12 | 0 | 0 |
| P.K.: 0+014.243 | | | | |
| | Pavimento | 3.93 | 51.48 | 51.48 |

| | | | | |
|-----------------|-----------|------|-------|-------|
| | Subbase | 3.13 | 40.69 | 40.69 |
| | Base | 2.64 | 34.54 | 34.54 |
| P.K.: 0+020.000 | | | | |
| | Pavimento | 2 | 17.38 | 68.85 |
| | Subbase | 1.84 | 14.2 | 54.89 |
| | Base | 1.35 | 11.68 | 46.22 |
| P.K.: 0+028.485 | | | | |
| | Pavimento | 0.68 | 11.14 | 80 |
| | Subbase | 0.96 | 11.41 | 66.3 |
| | Base | 0.47 | 7.57 | 53.78 |

Alineación: Intersección EW-EG

| | Tipo de área | Área | Vol. incremental | Vol. acumul. |
|-----------------|--------------|------------------|------------------|----------------|
| | | Metros cuadrados | Metros cúbicos | Metros cúbicos |
| P.K.: 0+000.000 | | | | |
| | Pavimento | 0 | 0 | 0 |
| | Subbase | 0 | 0 | 0 |
| | Base | 0 | 0 | 0 |
| P.K.: 0+020.000 | | | | |
| | Pavimento | 4.52 | 45.72 | 45.72 |
| | Subbase | 3.88 | 39.13 | 39.13 |
| | Base | 3.41 | 34.47 | 34.47 |
| P.K.: 0+040.000 | | | | |
| | Pavimento | 5.21 | 98.7 | 144.42 |
| | Subbase | 4.4 | 83.7 | 122.83 |
| | Base | 3.93 | 74.38 | 108.84 |
| P.K.: 0+044.516 | | | | |
| | Pavimento | 4.76 | 22.86 | 167.28 |
| | Subbase | 4.06 | 19.33 | 142.16 |
| | Base | 3.59 | 17.23 | 126.07 |
| P.K.: 0+060.000 | | | | |
| | Pavimento | 3.57 | 65.16 | 232.44 |
| | Subbase | 3.17 | 56.37 | 198.53 |
| | Base | 2.69 | 49.15 | 175.22 |
| P.K.: 0+080.000 | | | | |
| | Pavimento | 2.79 | 63.81 | 296.25 |
| | Subbase | 2.58 | 57.53 | 256.06 |
| | Base | 2.11 | 48.21 | 223.43 |
| P.K.: 0+089.033 | | | | |
| | Pavimento | 2.7 | 24.82 | 321.07 |
| | Subbase | 2.52 | 22.99 | 279.05 |
| | Base | 2.05 | 18.78 | 242.2 |

Alineación: Intersección EW-WG

| | Tipo de área | Área | Vol. incremental | Vol. acumul. |
|--|--------------|------------------|------------------|----------------|
| | | Metros cuadrados | Metros cúbicos | Metros cúbicos |

| | | | | |
|-----------------|-----------|------|-------|--------|
| P.K.: 0+000.000 | | | | |
| | Pavimento | 2.75 | 0 | 0 |
| | Subbase | 2.56 | 0 | 0 |
| | Base | 2.08 | 0 | 0 |
| P.K.: 0+018.592 | | | | |
| | Pavimento | 2.78 | 51.47 | 51.47 |
| | Subbase | 2.58 | 47.68 | 47.68 |
| | Base | 2.11 | 38.93 | 38.93 |
| P.K.: 0+037.183 | | | | |
| | Pavimento | 2.86 | 52.46 | 103.93 |
| | Subbase | 2.64 | 48.42 | 96.1 |
| | Base | 2.16 | 39.68 | 78.61 |
| P.K.: 0+040.000 | | | | |
| | Pavimento | 2.87 | 8.07 | 112.01 |
| | Subbase | 2.65 | 7.44 | 103.54 |
| | Base | 2.17 | 6.11 | 84.72 |
| P.K.: 0+052.616 | | | | |
| | Pavimento | 2.95 | 36.7 | 148.71 |
| | Subbase | 2.7 | 33.62 | 137.16 |
| | Base | 2.23 | 27.75 | 112.47 |
| P.K.: 0+068.049 | | | | |
| | Pavimento | 2.7 | 43.61 | 192.32 |
| | Subbase | 2.52 | 40.17 | 177.33 |
| | Base | 2.05 | 32.98 | 145.45 |

Alineación: Intersección EW-WS

| | Tipo de área | Área | Vol. incremental | Vol. acumul. |
|-----------------|---------------------|-------------------------|-------------------------|-----------------------|
| | | Metros cuadrados | Metros cúbicos | Metros cúbicos |
| P.K.: 0+000.000 | | | | |
| | Pavimento | 5.1 | 0 | 0 |
| | Subbase | 4.32 | 0 | 0 |
| | Base | 3.85 | 0 | 0 |
| P.K.: 0+020.000 | | | | |
| | Pavimento | 5.59 | 107.31 | 107.31 |
| | Subbase | 4.68 | 90.31 | 90.31 |
| | Base | 4.21 | 80.84 | 80.84 |
| P.K.: 0+040.000 | | | | |
| | Pavimento | 5.83 | 114.57 | 221.88 |
| | Subbase | 4.86 | 95.75 | 186.06 |
| | Base | 4.39 | 86.29 | 167.13 |
| P.K.: 0+060.000 | | | | |
| | Pavimento | 5.58 | 114.49 | 336.37 |
| | Subbase | 4.68 | 95.69 | 281.75 |
| | Base | 4.2 | 86.23 | 253.36 |
| P.K.: 0+072.688 | | | | |
| | Pavimento | 5.17 | 68.18 | 404.56 |
| | Subbase | 4.37 | 57.39 | 339.14 |
| | Base | 3.9 | 51.37 | 304.72 |
| P.K.: 0+080.000 | | | | |
| | Pavimento | 4.97 | 37.07 | 441.62 |

| | | | | |
|-----------------|-----------|------|-------|--------|
| | Subbase | 4.22 | 31.4 | 370.54 |
| | Base | 3.74 | 27.93 | 332.65 |
| P.K.: 0+100.000 | | | | |
| | Pavimento | 4.52 | 95.12 | 536.74 |
| | Subbase | 3.88 | 81.16 | 451.7 |
| | Base | 3.41 | 71.7 | 404.35 |
| P.K.: 0+120.000 | | | | |
| | Pavimento | 4.23 | 87.73 | 624.47 |
| | Subbase | 3.67 | 75.62 | 527.32 |
| | Base | 3.19 | 66.16 | 470.51 |
| P.K.: 0+140.000 | | | | |
| | Pavimento | 4.11 | 83.6 | 708.07 |
| | Subbase | 3.58 | 72.52 | 599.84 |
| | Base | 3.1 | 63.06 | 533.57 |
| P.K.: 0+145.375 | | | | |
| | Pavimento | 4.1 | 22.08 | 730.15 |
| | Subbase | 3.57 | 19.21 | 619.05 |
| | Base | 3.1 | 16.65 | 550.22 |

Alineación: Intersección G-GE

| | Tipo de área | Área | Vol. incremental | Vol. acumul. |
|-----------------|---------------------|-------------------------|-------------------------|-----------------------|
| | | Metros cuadrados | Metros cúbicos | Metros cúbicos |
| P.K.: 0+000.000 | | | | |
| | Pavimento | 1.45 | 0 | 0 |
| | Subbase | 1.48 | 0 | 0 |
| | Base | 0.99 | 0 | 0 |
| P.K.: 0+009.862 | | | | |
| | Pavimento | 2.13 | 17.47 | 17.47 |
| | Subbase | 1.93 | 16.56 | 16.56 |
| | Base | 1.44 | 11.82 | 11.82 |
| P.K.: 0+019.723 | | | | |
| | Pavimento | 3.39 | 27.1 | 44.57 |
| | Subbase | 2.77 | 22.97 | 39.53 |
| | Base | 2.28 | 18.24 | 30.06 |
| P.K.: 0+020.000 | | | | |
| | Pavimento | 3.43 | 0.94 | 45.52 |
| | Subbase | 2.8 | 0.77 | 40.3 |
| | Base | 2.31 | 0.63 | 30.69 |
| P.K.: 0+027.037 | | | | |
| | Pavimento | 4.73 | 28.73 | 74.24 |
| | Subbase | 3.66 | 22.75 | 63.05 |
| | Base | 3.17 | 19.28 | 49.97 |

Alineación: Intersección G-GW

| | Tipo de área | Área | Vol. incremental | Vol. acumul. |
|-----------------|---------------------|-------------------------|-------------------------|-----------------------|
| | | Metros cuadrados | Metros cúbicos | Metros cúbicos |
| P.K.: 0+000.000 | | | | |
| | Pavimento | 0 | 0 | 0 |
| | Subbase | 0 | 0 | 0 |
| | Base | 0 | 0 | 0 |
| P.K.: 0+018.915 | | | | |
| | Pavimento | 2.87 | 27.4 | 27.4 |
| | Subbase | 2.42 | 22.97 | 22.97 |
| | Base | 1.93 | 18.43 | 18.43 |
| P.K.: 0+020.000 | | | | |
| | Pavimento | 3.13 | 3.26 | 30.65 |
| | Subbase | 2.6 | 2.73 | 25.7 |
| | Base | 2.11 | 2.19 | 20.62 |
| P.K.: 0+037.830 | | | | |
| | Pavimento | 4.73 | 71.15 | 101.81 |
| | Subbase | 3.66 | 56.25 | 81.95 |
| | Base | 3.17 | 47.74 | 68.36 |

Alineación: Intersección G-NG

| | Tipo de área | Área | Vol. incremental | Vol. acumul. |
|-----------------|---------------------|-------------------------|-------------------------|-----------------------|
| | | Metros cuadrados | Metros cúbicos | Metros cúbicos |
| P.K.: 0+000.000 | | | | |
| | Pavimento | 0.68 | 0 | 0 |
| | Subbase | 0.96 | 0 | 0 |
| | Base | 0.47 | 0 | 0 |
| P.K.: 0+019.940 | | | | |
| | Pavimento | 6.88 | 87.97 | 87.97 |
| | Subbase | 5.1 | 68.12 | 68.12 |
| | Base | 4.6 | 58.98 | 58.98 |
| P.K.: 0+020.000 | | | | |
| | Pavimento | 6.85 | 0.41 | 88.38 |
| | Subbase | 5.08 | 0.31 | 68.42 |
| | Base | 4.58 | 0.28 | 59.25 |
| P.K.: 0+039.880 | | | | |
| | Pavimento | 2.29 | 104.18 | 192.56 |
| | Subbase | 2.04 | 78.89 | 147.31 |
| | Base | 1.54 | 69.78 | 129.04 |

Alineación: Intersección G-SG

| | Tipo de área | Área | Vol. incremental | Vol. acumul. |
|-----------------|---------------------|-------------------------|-------------------------|-----------------------|
| | | Metros cuadrados | Metros cúbicos | Metros cúbicos |
| P.K.: 0+000.000 | | | | |
| | Pavimento | 0.68 | 0 | 0 |
| | Subbase | 0.96 | 0 | 0 |
| | Base | 0.47 | 0 | 0 |
| P.K.: 0+017.898 | | | | |
| | Pavimento | 3.8 | 40.5 | 40.5 |
| | Subbase | 3.05 | 35.72 | 35.72 |
| | Base | 2.55 | 27.31 | 27.31 |
| P.K.: 0+020.000 | | | | |
| | Pavimento | 4.38 | 8.78 | 49.29 |
| | Subbase | 3.43 | 6.86 | 42.59 |
| | Base | 2.94 | 5.89 | 33.2 |
| P.K.: 0+035.796 | | | | |
| | Pavimento | 3.83 | 67.2 | 116.49 |
| | Subbase | 3.07 | 52.51 | 95.09 |
| | Base | 2.57 | 45.07 | 78.26 |

Alineación: Intersección GE-EW

| | Tipo de área | Área | Vol. incremental | Vol. acumul. |
|-----------------|---------------------|-------------------------|-------------------------|-----------------------|
| | | Metros cuadrados | Metros cúbicos | Metros cúbicos |
| P.K.: 0+000.000 | | | | |
| | Pavimento | 0.85 | 0 | 0 |
| | Subbase | 0.64 | 0 | 0 |
| | Base | 0.64 | 0 | 0 |
| P.K.: 0+020.000 | | | | |
| | Pavimento | 0.25 | 11.14 | 11.14 |
| | Subbase | 0.19 | 8.35 | 8.35 |
| | Base | 0.19 | 8.35 | 8.35 |
| P.K.: 0+040.000 | | | | |
| | Pavimento | 0 | 2.56 | 13.7 |
| | Subbase | 0 | 1.92 | 10.27 |
| | Base | 0 | 1.92 | 10.27 |
| P.K.: 0+041.810 | | | | |
| | Pavimento | 0 | 0 | 13.7 |
| | Subbase | 0 | 0 | 10.27 |
| | Base | 0 | 0 | 10.27 |
| P.K.: 0+060.000 | | | | |
| | Pavimento | 0 | 0 | 13.7 |
| | Subbase | 0 | 0 | 10.27 |
| | Base | 0 | 0 | 10.27 |
| P.K.: 0+080.000 | | | | |
| | Pavimento | 0 | 0 | 13.7 |
| | Subbase | 0 | 0 | 10.27 |
| | Base | 0 | 0 | 10.27 |
| P.K.: 0+083.620 | | | | |

| | | | | |
|--|-----------|---|---|-------|
| | Pavimento | 0 | 0 | 13.7 |
| | Subbase | 0 | 0 | 10.27 |
| | Base | 0 | 0 | 10.27 |

Alineación: Intersección GW-SW-EW

| | Tipo de área | Área | Vol. incremental | Vol. acumul. |
|-----------------|--------------|------------------|------------------|----------------|
| | | Metros cuadrados | Metros cúbicos | Metros cúbicos |
| P.K.: 0+000.000 | | | | |
| | Pavimento | 2.7 | 0 | 0 |
| | Subbase | 2.52 | 0 | 0 |
| | Base | 2.05 | 0 | 0 |
| P.K.: 0+020.000 | | | | |
| | Pavimento | 2.95 | 56.57 | 56.57 |
| | Subbase | 2.71 | 52.21 | 52.21 |
| | Base | 2.23 | 42.78 | 42.78 |
| P.K.: 0+033.767 | | | | |
| | Pavimento | 3.28 | 42.9 | 99.47 |
| | Subbase | 2.95 | 38.91 | 91.12 |
| | Base | 2.48 | 32.42 | 75.21 |
| P.K.: 0+040.000 | | | | |
| | Pavimento | 3.47 | 21.02 | 120.49 |
| | Subbase | 3.09 | 18.84 | 109.96 |
| | Base | 2.62 | 15.88 | 91.09 |
| P.K.: 0+060.000 | | | | |
| | Pavimento | 4.26 | 77.46 | 197.95 |
| | Subbase | 3.69 | 67.88 | 177.83 |
| | Base | 3.21 | 58.45 | 149.54 |
| P.K.: 0+067.533 | | | | |
| | Pavimento | 4.63 | 33.47 | 231.42 |
| | Subbase | 3.96 | 28.81 | 206.64 |
| | Base | 3.49 | 25.24 | 174.77 |
| P.K.: 0+071.991 | | | | |
| | Pavimento | 4.89 | 21.75 | 253.17 |
| | Subbase | 4.16 | 18.43 | 225.07 |
| | Base | 3.68 | 16.39 | 191.16 |
| P.K.: 0+076.448 | | | | |
| | Pavimento | 5.18 | 23.13 | 276.3 |
| | Subbase | 4.37 | 19.46 | 244.54 |
| | Base | 3.9 | 17.42 | 208.59 |
| P.K.: 0+080.000 | | | | |
| | Pavimento | 5.48 | 18.92 | 295.22 |
| | Subbase | 4.6 | 15.94 | 260.48 |
| | Base | 4.13 | 14.26 | 222.84 |
| P.K.: 0+100.000 | | | | |
| | Pavimento | 6.01 | 114.91 | 410.13 |
| | Subbase | 5 | 96.04 | 356.52 |
| | Base | 4.53 | 86.54 | 309.39 |
| P.K.: 0+120.000 | | | | |
| | Pavimento | 7.11 | 131.24 | 541.37 |
| | Subbase | 5.83 | 108.29 | 464.81 |

| | | | | |
|-----------------|-----------|------|--------|---------|
| | Base | 5.35 | 98.79 | 408.18 |
| P.K.: 0+140.000 | | | | |
| | Pavimento | 6.79 | 139.07 | 680.44 |
| | Subbase | 5.59 | 114.16 | 578.97 |
| | Base | 5.11 | 104.66 | 512.84 |
| P.K.: 0+160.000 | | | | |
| | Pavimento | 6.85 | 136.45 | 816.89 |
| | Subbase | 5.63 | 112.2 | 691.16 |
| | Base | 5.16 | 102.7 | 615.54 |
| P.K.: 0+180.000 | | | | |
| | Pavimento | 6.86 | 137.17 | 954.06 |
| | Subbase | 5.64 | 112.73 | 803.9 |
| | Base | 5.17 | 103.24 | 718.78 |
| P.K.: 0+200.000 | | | | |
| | Pavimento | 6.88 | 137.43 | 1091.49 |
| | Subbase | 5.65 | 112.93 | 916.82 |
| | Base | 5.18 | 103.43 | 822.21 |
| P.K.: 0+220.000 | | | | |
| | Pavimento | 6.89 | 137.69 | 1229.18 |
| | Subbase | 5.66 | 113.12 | 1029.94 |
| | Base | 5.19 | 103.62 | 925.83 |
| P.K.: 0+236.929 | | | | |
| | Pavimento | 6.9 | 116.74 | 1345.92 |
| | Subbase | 5.67 | 95.9 | 1125.85 |
| | Base | 5.19 | 87.86 | 1013.69 |

Alineación: Intersección NG-G

| | Tipo de área | Área | Vol. incremental | Vol. acumul. |
|-----------------|---------------------|-------------------------|-------------------------|-----------------------|
| | | Metros cuadrados | Metros cúbicos | Metros cúbicos |
| P.K.: 0+000.000 | | | | |
| | Pavimento | 4.17 | 0 | 0 |
| | Subbase | 3.29 | 0 | 0 |
| | Base | 2.8 | 0 | 0 |
| P.K.: 0+020.000 | | | | |
| | Pavimento | 6.18 | 110.24 | 110.24 |
| | Subbase | 4.63 | 83.1 | 83.1 |
| | Base | 4.14 | 73.83 | 73.83 |
| P.K.: 0+028.061 | | | | |
| | Pavimento | 8.24 | 64.11 | 174.35 |
| | Subbase | 6 | 46.58 | 129.68 |
| | Base | 5.51 | 42.88 | 116.7 |
| P.K.: 0+040.000 | | | | |
| | Pavimento | 3.26 | 75.03 | 249.38 |
| | Subbase | 2.68 | 55.73 | 185.41 |
| | Base | 2.19 | 50.22 | 166.92 |
| P.K.: 0+056.122 | | | | |
| | Pavimento | 0.68 | 32.15 | 281.53 |
| | Subbase | 0.96 | 29.28 | 214.69 |
| | Base | 0.47 | 21.71 | 188.63 |

Alineación: Intersección SG-G

| | Tipo de área | Área | Vol. incremental | Vol. acumul. |
|-----------------|--------------|------------------|------------------|----------------|
| | | Metros cuadrados | Metros cúbicos | Metros cúbicos |
| P.K.: 0+000.000 | | | | |
| | Pavimento | 4.42 | 0 | 0 |
| | Subbase | 3.46 | 0 | 0 |
| | Base | 2.96 | 0 | 0 |
| P.K.: 0+020.000 | | | | |
| | Pavimento | 8.57 | 161.87 | 161.87 |
| | Subbase | 6.22 | 117.29 | 117.29 |
| | Base | 5.73 | 108.24 | 108.24 |
| P.K.: 0+024.664 | | | | |
| | Pavimento | 11.42 | 63.91 | 225.78 |
| | Subbase | 8.12 | 44.76 | 162.05 |
| | Base | 7.63 | 42.68 | 150.92 |
| P.K.: 0+040.000 | | | | |
| | Pavimento | 2.52 | 143.82 | 369.6 |
| | Subbase | 2.19 | 102.83 | 264.88 |
| | Base | 1.7 | 96.12 | 247.05 |
| P.K.: 0+049.329 | | | | |
| | Pavimento | 0 | 11.75 | 381.35 |
| | Subbase | 0 | 9.92 | 274.8 |
| | Base | 0 | 7.91 | 254.96 |

Alineación: Intersección SG-SW

| | Tipo de área | Área | Vol. incremental | Vol. acumul. |
|------------------|--------------|------------------|------------------|----------------|
| | | Metros cuadrados | Metros cúbicos | Metros cúbicos |
| P.K.: -0+000.000 | | | | |
| | Pavimento | 2.3 | 0 | 0 |
| | Subbase | 2.22 | 0 | 0 |
| | Base | 1.75 | 0 | 0 |
| P.K.: 0+020.000 | | | | |
| | Pavimento | 4.01 | 63.43 | 63.43 |
| | Subbase | 3.5 | 57.33 | 57.33 |
| | Base | 3.02 | 47.93 | 47.93 |
| P.K.: 0+030.975 | | | | |
| | Pavimento | 3.99 | 44.21 | 107.64 |
| | Subbase | 3.49 | 38.5 | 95.83 |
| | Base | 3.01 | 33.35 | 81.28 |
| P.K.: 0+040.000 | | | | |
| | Pavimento | 4 | 36.34 | 143.97 |
| | Subbase | 3.5 | 31.65 | 127.48 |
| | Base | 3.02 | 27.41 | 108.69 |
| P.K.: 0+060.000 | | | | |
| | Pavimento | 4.09 | 81.48 | 225.45 |
| | Subbase | 3.56 | 70.85 | 198.33 |
| | Base | 3.09 | 61.46 | 170.16 |

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|-----------------|-----------|------|------|--------|
| P.K.: 0+061.950 | | | | |
| | Pavimento | 4.1 | 7.99 | 233.44 |
| | Subbase | 3.57 | 6.95 | 205.29 |
| | Base | 3.1 | 6.03 | 176.18 |

Alineación: Intersección SG-WS

| | Tipo de área | Área | Vol. incremental | Vol. acumul. |
|-----------------|--------------|------------------|------------------|----------------|
| | | Metros cuadrados | Metros cúbicos | Metros cúbicos |
| P.K.: 0+000.000 | | | | |
| | Pavimento | 0 | 0 | 0 |
| | Subbase | 0 | 0 | 0 |
| | Base | 0 | 0 | 0 |
| P.K.: 0+020.000 | | | | |
| | Pavimento | 0.21 | 2.17 | 2.17 |
| | Subbase | 0.16 | 1.63 | 1.63 |
| | Base | 0.16 | 1.63 | 1.63 |
| P.K.: 0+033.423 | | | | |
| | Pavimento | 0.87 | 7.49 | 9.66 |
| | Subbase | 0.65 | 5.62 | 7.25 |
| | Base | 0.65 | 5.62 | 7.25 |
| P.K.: 0+040.000 | | | | |
| | Pavimento | 1.19 | 7 | 16.66 |
| | Subbase | 0.9 | 5.25 | 12.5 |
| | Base | 0.9 | 5.25 | 12.5 |
| P.K.: 0+060.000 | | | | |
| | Pavimento | 2.61 | 39.4 | 56.06 |
| | Subbase | 1.96 | 29.55 | 42.05 |
| | Base | 1.96 | 29.55 | 42.05 |
| P.K.: 0+066.847 | | | | |
| | Pavimento | 3.23 | 20.77 | 76.83 |
| | Subbase | 2.42 | 15.58 | 57.62 |
| | Base | 2.42 | 15.58 | 57.62 |

Alineación: Intersección SN-NG

| | Tipo de área | Área | Vol. incremental | Vol. acumul. |
|-----------------|--------------|------------------|------------------|----------------|
| | | Metros cuadrados | Metros cúbicos | Metros cúbicos |
| P.K.: 0+000.000 | | | | |
| | Pavimento | 2.8 | 0 | 0 |
| | Subbase | 2.6 | 0 | 0 |
| | Base | 2.12 | 0 | 0 |
| P.K.: 0+008.604 | | | | |
| | Pavimento | 2.76 | 23.37 | 23.37 |
| | Subbase | 2.56 | 21.56 | 21.56 |
| | Base | 2.09 | 17.68 | 17.68 |
| P.K.: 0+017.208 | | | | |

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|-----------------|-----------|------|-------|--------|
| | Pavimento | 2.52 | 22.21 | 45.58 |
| | Subbase | 2.38 | 20.7 | 42.26 |
| | Base | 1.91 | 16.8 | 34.48 |
| P.K.: 0+020.000 | | | | |
| | Pavimento | 2.5 | 7.59 | 53.17 |
| | Subbase | 2.36 | 7.31 | 49.57 |
| | Base | 1.89 | 5.75 | 40.23 |
| P.K.: 0+040.000 | | | | |
| | Pavimento | 2.41 | 49.08 | 102.25 |
| | Subbase | 2.3 | 46.67 | 96.24 |
| | Base | 1.83 | 37.17 | 77.4 |
| P.K.: 0+060.000 | | | | |
| | Pavimento | 2.29 | 47 | 149.24 |
| | Subbase | 2.21 | 45.1 | 141.34 |
| | Base | 1.73 | 35.61 | 113.01 |
| P.K.: 0+080.000 | | | | |
| | Pavimento | 1.93 | 42.17 | 191.41 |
| | Subbase | 1.94 | 41.49 | 182.83 |
| | Base | 1.47 | 31.99 | 145 |
| P.K.: 0+100.000 | | | | |
| | Pavimento | 1.57 | 35.01 | 226.43 |
| | Subbase | 1.67 | 36.12 | 218.94 |
| | Base | 1.2 | 26.62 | 171.62 |
| P.K.: 0+120.000 | | | | |
| | Pavimento | 1.21 | 27.86 | 254.29 |
| | Subbase | 1.4 | 30.75 | 249.69 |
| | Base | 0.93 | 21.25 | 192.87 |
| P.K.: 0+137.293 | | | | |
| | Pavimento | 0.9 | 18.32 | 272.61 |
| | Subbase | 1.17 | 22.26 | 271.95 |
| | Base | 0.7 | 14.05 | 206.92 |

Alineación: Intersección SW-SN

| | Tipo de área | Área | Vol. incremental | Vol. acumul. |
|-----------------|---------------------|-------------------------|-------------------------|-----------------------|
| | | Metros cuadrados | Metros cúbicos | Metros cúbicos |
| P.K.: 0+000.000 | | | | |
| | Pavimento | 1.29 | 0 | 0 |
| | Subbase | 1.46 | 0 | 0 |
| | Base | 0.99 | 0 | 0 |
| P.K.: 0+013.849 | | | | |
| | Pavimento | 1.47 | 19.01 | 19.01 |
| | Subbase | 1.59 | 20.98 | 20.98 |
| | Base | 1.12 | 14.5 | 14.5 |
| P.K.: 0+020.000 | | | | |
| | Pavimento | 1.67 | 9.58 | 28.59 |
| | Subbase | 1.74 | 10.18 | 31.16 |
| | Base | 1.27 | 7.3 | 21.8 |
| P.K.: 0+027.697 | | | | |
| | Pavimento | 2.02 | 14.14 | 42.73 |
| | Subbase | 2.01 | 14.35 | 45.51 |

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|-----------------|-----------|------|-------|-------|
| | Base | 1.53 | 10.74 | 32.54 |
| P.K.: 0+038.280 | | | | |
| | Pavimento | 2.7 | 25 | 67.74 |
| | Subbase | 2.52 | 23.97 | 69.48 |
| | Base | 2.05 | 18.94 | 51.48 |

Alineación: Intersección WG-G

| | Tipo de área | Área | Vol. incremental | Vol. acumul. |
|-----------------|--------------|------------------|------------------|----------------|
| | | Metros cuadrados | Metros cúbicos | Metros cúbicos |
| P.K.: 0+000.000 | | | | |
| | Pavimento | 3.15 | 0 | 0 |
| | Subbase | 2.61 | 0 | 0 |
| | Base | 2.12 | 0 | 0 |
| P.K.: 0+015.627 | | | | |
| | Pavimento | 2.54 | 44.4 | 44.4 |
| | Subbase | 2.2 | 37.38 | 37.38 |
| | Base | 1.71 | 29.87 | 29.87 |
| P.K.: 0+020.000 | | | | |
| | Pavimento | 2.07 | 10.02 | 54.41 |
| | Subbase | 1.89 | 8.86 | 46.24 |
| | Base | 1.4 | 6.75 | 36.62 |
| P.K.: 0+031.253 | | | | |
| | Pavimento | 1.77 | 21.36 | 75.77 |
| | Subbase | 1.69 | 19.84 | 66.08 |
| | Base | 1.19 | 14.43 | 51.05 |

Alineación: Ramal NG

| | Tipo de área | Área | Vol. incremental | Vol. acumul. |
|-----------------|--------------|------------------|------------------|----------------|
| | | Metros cuadrados | Metros cúbicos | Metros cúbicos |
| P.K.: 0+000.000 | | | | |
| | Pavimento | 4.61 | 0 | 0 |
| | Subbase | 4.44 | 0 | 0 |
| | Base | 3.49 | 0 | 0 |
| P.K.: 0+020.000 | | | | |
| | Pavimento | 4.61 | 92.16 | 92.16 |
| | Subbase | 4.44 | 88.83 | 88.83 |
| | Base | 3.49 | 69.84 | 69.84 |
| P.K.: 0+040.000 | | | | |
| | Pavimento | 4.61 | 92.16 | 184.32 |
| | Subbase | 4.44 | 88.83 | 177.67 |
| | Base | 3.49 | 69.84 | 139.68 |
| P.K.: 0+060.000 | | | | |
| | Pavimento | 4.61 | 92.16 | 276.48 |
| | Subbase | 4.44 | 88.83 | 266.5 |
| | Base | 3.49 | 69.84 | 209.52 |
| P.K.: 0+080.000 | | | | |

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|-----------------|-----------|------|-------|---------|
| | Pavimento | 4.61 | 92.16 | 368.64 |
| | Subbase | 4.44 | 88.83 | 355.33 |
| | Base | 3.49 | 69.84 | 279.36 |
| P.K.: 0+100.000 | | | | |
| | Pavimento | 4.61 | 92.16 | 460.8 |
| | Subbase | 4.44 | 88.83 | 444.17 |
| | Base | 3.49 | 69.84 | 349.2 |
| P.K.: 0+120.000 | | | | |
| | Pavimento | 4.61 | 92.16 | 552.96 |
| | Subbase | 4.44 | 88.83 | 533 |
| | Base | 3.49 | 69.84 | 419.04 |
| P.K.: 0+140.000 | | | | |
| | Pavimento | 4.61 | 92.16 | 645.12 |
| | Subbase | 4.44 | 88.83 | 621.83 |
| | Base | 3.49 | 69.84 | 488.88 |
| P.K.: 0+160.000 | | | | |
| | Pavimento | 4.61 | 92.16 | 737.28 |
| | Subbase | 4.44 | 88.83 | 710.67 |
| | Base | 3.49 | 69.84 | 558.72 |
| P.K.: 0+180.000 | | | | |
| | Pavimento | 4.61 | 92.16 | 829.44 |
| | Subbase | 4.44 | 88.83 | 799.5 |
| | Base | 3.49 | 69.84 | 628.56 |
| P.K.: 0+200.000 | | | | |
| | Pavimento | 4.61 | 92.16 | 921.6 |
| | Subbase | 4.44 | 88.83 | 888.33 |
| | Base | 3.49 | 69.84 | 698.4 |
| P.K.: 0+220.000 | | | | |
| | Pavimento | 3.7 | 83.12 | 1004.72 |
| | Subbase | 3.27 | 77.13 | 965.46 |
| | Base | 2.8 | 62.88 | 761.28 |
| P.K.: 0+240.000 | | | | |
| | Pavimento | 3.7 | 74.08 | 1078.8 |
| | Subbase | 3.27 | 65.42 | 1030.88 |
| | Base | 2.8 | 55.92 | 817.2 |
| P.K.: 0+260.000 | | | | |
| | Pavimento | 3.7 | 74.08 | 1152.88 |
| | Subbase | 3.27 | 65.42 | 1096.29 |
| | Base | 2.8 | 55.92 | 873.12 |
| P.K.: 0+280.000 | | | | |
| | Pavimento | 3.7 | 74.08 | 1226.96 |
| | Subbase | 3.27 | 65.42 | 1161.71 |
| | Base | 2.8 | 55.92 | 929.04 |
| P.K.: 0+300.000 | | | | |
| | Pavimento | 3.7 | 74.08 | 1301.04 |
| | Subbase | 3.27 | 65.42 | 1227.13 |
| | Base | 2.8 | 55.92 | 984.96 |
| P.K.: 0+305.057 | | | | |
| | Pavimento | 3.7 | 18.73 | 1319.77 |
| | Subbase | 3.27 | 16.54 | 1243.67 |
| | Base | 2.8 | 14.14 | 999.1 |
| P.K.: 0+320.000 | | | | |
| | Pavimento | 3.7 | 55.35 | 1375.12 |
| | Subbase | 3.27 | 48.88 | 1292.54 |

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|-----------------|-----------|------|--------|---------|
| | Base | 2.8 | 41.78 | 1040.88 |
| P.K.: 0+340.000 | | | | |
| | Pavimento | 3.81 | 74.88 | 1450 |
| | Subbase | 3.36 | 65.85 | 1358.39 |
| | Base | 2.88 | 56.51 | 1097.39 |
| P.K.: 0+360.000 | | | | |
| | Pavimento | 4.03 | 77.88 | 1527.88 |
| | Subbase | 3.53 | 68.09 | 1426.48 |
| | Base | 3.04 | 58.76 | 1156.15 |
| P.K.: 0+360.057 | | | | |
| | Pavimento | 4.03 | 0.23 | 1528.11 |
| | Subbase | 3.53 | 0.2 | 1426.68 |
| | Base | 3.04 | 0.17 | 1156.32 |
| P.K.: 0+380.000 | | | | |
| | Pavimento | 4.03 | 79.7 | 1607.81 |
| | Subbase | 3.53 | 69.45 | 1496.13 |
| | Base | 3.04 | 60.12 | 1216.44 |
| P.K.: 0+400.000 | | | | |
| | Pavimento | 4.93 | 89.31 | 1697.12 |
| | Subbase | 4.7 | 81.85 | 1577.98 |
| | Base | 3.74 | 67.51 | 1283.96 |
| P.K.: 0+420.000 | | | | |
| | Pavimento | 4.93 | 98.69 | 1795.81 |
| | Subbase | 4.7 | 94.05 | 1672.02 |
| | Base | 3.74 | 74.74 | 1358.69 |
| P.K.: 0+425.402 | | | | |
| | Pavimento | 5.21 | 27.37 | 1823.18 |
| | Subbase | 4.91 | 25.93 | 1697.96 |
| | Base | 3.94 | 20.72 | 1379.42 |
| P.K.: 0+440.000 | | | | |
| | Pavimento | 5.86 | 80.33 | 1903.51 |
| | Subbase | 5.4 | 74.78 | 1772.74 |
| | Base | 4.43 | 60.77 | 1440.18 |
| P.K.: 0+460.000 | | | | |
| | Pavimento | 6.38 | 121.04 | 2024.55 |
| | Subbase | 5.79 | 110.59 | 1883.33 |
| | Base | 4.82 | 91.49 | 1531.67 |
| P.K.: 0+480.000 | | | | |
| | Pavimento | 6.5 | 127 | 2151.55 |
| | Subbase | 5.88 | 115 | 1998.33 |
| | Base | 4.91 | 95.96 | 1627.64 |
| P.K.: 0+490.748 | | | | |
| | Pavimento | 6.5 | 68.82 | 2220.37 |
| | Subbase | 5.88 | 62.22 | 2060.55 |
| | Base | 4.91 | 52 | 1679.63 |
| P.K.: 0+500.000 | | | | |
| | Pavimento | 6.35 | 58.64 | 2279.02 |
| | Subbase | 5.76 | 53.1 | 2113.65 |
| | Base | 4.8 | 44.31 | 1723.95 |
| P.K.: 0+520.000 | | | | |
| | Pavimento | 6.02 | 122.58 | 2401.6 |
| | Subbase | 5.5 | 111.58 | 2225.23 |
| | Base | 4.55 | 92.65 | 1816.6 |
| P.K.: 0+540.000 | | | | |

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|-----------------|-----------|---|-------|---------|
| | Pavimento | 0 | 59.98 | 2461.58 |
| | Subbase | 0 | 54.8 | 2280.03 |
| | Base | 0 | 45.34 | 1861.94 |
| P.K.: 0+545.748 | | | | |
| | Pavimento | 0 | 0 | 2461.58 |
| | Subbase | 0 | 0 | 2280.03 |
| | Base | 0 | 0 | 1861.94 |
| P.K.: 0+559.079 | | | | |
| | Pavimento | 0 | 0 | 2461.58 |
| | Subbase | 0 | 0 | 2280.03 |
| | Base | 0 | 0 | 1861.94 |

Alineación: Ramal SG

| | Tipo de área | Área | Vol. incremental | Vol. acumul. |
|-----------------|--------------|------------------|------------------|----------------|
| | | Metros cuadrados | Metros cúbicos | Metros cúbicos |
| P.K.: 0+000.000 | | | | |
| | Pavimento | 15.09 | 0 | 0 |
| | Subbase | 11.15 | 0 | 0 |
| | Base | 10.09 | 0 | 0 |
| | Barrera | 0 | 0 | 0 |
| P.K.: 0+020.000 | | | | |
| | Pavimento | 15.09 | 301.7 | 301.7 |
| | Subbase | 11.15 | 222.93 | 222.93 |
| | Base | 10.09 | 201.84 | 201.84 |
| | Barrera | 0 | 0 | 0 |
| P.K.: 0+040.000 | | | | |
| | Pavimento | 15.09 | 301.7 | 603.4 |
| | Subbase | 11.15 | 222.93 | 445.86 |
| | Base | 10.09 | 201.84 | 403.68 |
| | Barrera | 0 | 0 | 0 |
| P.K.: 0+060.000 | | | | |
| | Pavimento | 15.09 | 301.7 | 905.1 |
| | Subbase | 11.15 | 222.93 | 668.79 |
| | Base | 10.09 | 201.84 | 605.52 |
| | Barrera | 0 | 0 | 0 |
| P.K.: 0+080.000 | | | | |
| | Pavimento | 15.09 | 301.7 | 1206.8 |
| | Subbase | 11.15 | 222.93 | 891.72 |
| | Base | 10.09 | 201.84 | 807.36 |
| | Barrera | 0 | 0 | 0 |
| P.K.: 0+100.000 | | | | |
| | Pavimento | 15.08 | 301.7 | 1508.5 |
| | Subbase | 11.15 | 222.93 | 1114.64 |
| | Base | 10.09 | 201.84 | 1009.2 |
| | Barrera | 0 | 0 | 0 |
| P.K.: 0+120.000 | | | | |
| | Pavimento | 15.08 | 301.7 | 1810.2 |
| | Subbase | 11.15 | 222.93 | 1337.57 |
| | Base | 10.09 | 201.84 | 1211.04 |
| | Barrera | 0 | 0 | 0 |

| | | | | |
|-----------------|-----------|-------|--------|---------|
| P.K.: 0+140.000 | | | | |
| | Pavimento | 15.09 | 301.7 | 2111.9 |
| | Subbase | 11.15 | 222.93 | 1560.5 |
| | Base | 10.09 | 201.84 | 1412.88 |
| | Barrera | 0 | 0 | 0 |
| P.K.: 0+160.000 | | | | |
| | Pavimento | 15.22 | 303.03 | 2414.93 |
| | Subbase | 11.24 | 223.82 | 1784.32 |
| | Base | 10.18 | 202.73 | 1615.61 |
| | Barrera | 0 | 0 | 0 |
| P.K.: 0+180.000 | | | | |
| | Pavimento | 15.48 | 306.98 | 2721.91 |
| | Subbase | 11.41 | 226.45 | 2010.77 |
| | Base | 10.36 | 205.36 | 1820.97 |
| | Barrera | 0 | 0 | 0 |
| P.K.: 0+200.000 | | | | |
| | Pavimento | 15.74 | 312.23 | 3034.14 |
| | Subbase | 11.58 | 229.95 | 2240.71 |
| | Base | 10.53 | 208.86 | 2029.82 |
| | Barrera | 0 | 0 | 0 |
| P.K.: 0+220.000 | | | | |
| | Pavimento | 16 | 317.47 | 3351.61 |
| | Subbase | 11.76 | 233.44 | 2474.15 |
| | Base | 10.71 | 212.35 | 2242.18 |
| | Barrera | 0 | 0 | 0 |
| P.K.: 0+240.000 | | | | |
| | Pavimento | 16.27 | 322.71 | 3674.32 |
| | Subbase | 11.93 | 236.94 | 2711.09 |
| | Base | 10.88 | 215.85 | 2458.03 |
| | Barrera | 0 | 0 | 0 |
| P.K.: 0+260.000 | | | | |
| | Pavimento | 16.53 | 327.96 | 4002.28 |
| | Subbase | 12.11 | 240.43 | 2951.52 |
| | Base | 11.05 | 219.34 | 2677.37 |
| | Barrera | 0 | 0 | 0 |
| P.K.: 0+280.000 | | | | |
| | Pavimento | 12.16 | 286.84 | 4289.11 |
| | Subbase | 8.65 | 207.57 | 3159.1 |
| | Base | 8.12 | 191.76 | 2869.13 |
| | Barrera | 0 | 0 | 0 |
| P.K.: 0+300.000 | | | | |
| | Pavimento | 12.16 | 243.1 | 4532.21 |
| | Subbase | 8.65 | 172.96 | 3332.06 |
| | Base | 8.12 | 162.42 | 3031.55 |
| | Barrera | 0 | 0 | 0 |
| P.K.: 0+315.965 | | | | |
| | Pavimento | 12.16 | 194.06 | 4726.27 |
| | Subbase | 8.65 | 138.07 | 3470.13 |
| | Base | 8.12 | 129.65 | 3161.2 |
| | Barrera | 0 | 0 | 0 |
| P.K.: 0+320.000 | | | | |
| | Pavimento | 12.16 | 49.04 | 4775.31 |
| | Subbase | 8.65 | 34.89 | 3505.03 |
| | Base | 8.12 | 32.77 | 3193.97 |

| | | | | |
|-----------------|-----------|-------|--------|---------|
| | Barrera | 0 | 0 | 0 |
| P.K.: 0+340.000 | | | | |
| | Pavimento | 12.16 | 244.81 | 5020.12 |
| | Subbase | 8.65 | 174.39 | 3679.42 |
| | Base | 8.12 | 163.57 | 3357.53 |
| | Barrera | 0 | 0 | 0 |
| P.K.: 0+360.000 | | | | |
| | Pavimento | 13.51 | 260.33 | 5280.45 |
| | Subbase | 10.1 | 190.44 | 3869.86 |
| | Base | 9.04 | 174.1 | 3531.63 |
| | Barrera | 0 | 0 | 0 |
| P.K.: 0+368.597 | | | | |
| | Pavimento | 13.51 | 118.11 | 5398.56 |
| | Subbase | 10.11 | 88.37 | 3958.23 |
| | Base | 9.04 | 79.05 | 3610.68 |
| | Barrera | 0 | 0 | 0 |
| P.K.: 0+380.000 | | | | |
| | Pavimento | 13.59 | 157.35 | 5555.91 |
| | Subbase | 10.17 | 117.76 | 4075.98 |
| | Base | 9.09 | 105.31 | 3715.99 |
| | Barrera | 0 | 0 | 0 |
| P.K.: 0+400.000 | | | | |
| | Pavimento | 6.72 | 205.09 | 5761.01 |
| | Subbase | 5.55 | 158.38 | 4234.37 |
| | Base | 5.06 | 142.82 | 3858.81 |
| | Barrera | 0 | 0 | 0 |
| P.K.: 0+420.000 | | | | |
| | Pavimento | 6.2 | 128.49 | 5889.5 |
| | Subbase | 5.16 | 106.05 | 4340.42 |
| | Base | 4.67 | 96.71 | 3955.52 |
| | Barrera | 0 | 0 | 0 |
| P.K.: 0+440.000 | | | | |
| | Pavimento | 6.2 | 123.59 | 6013.09 |
| | Subbase | 5.16 | 102.41 | 4442.83 |
| | Base | 4.67 | 93.03 | 4048.56 |
| | Barrera | 0 | 0 | 0 |
| P.K.: 0+445.359 | | | | |
| | Pavimento | 6.2 | 33.11 | 6046.2 |
| | Subbase | 5.16 | 27.44 | 4470.27 |
| | Base | 4.67 | 24.93 | 4073.49 |
| | Barrera | 0 | 0 | 0 |
| P.K.: 0+460.000 | | | | |
| | Pavimento | 6.81 | 95.07 | 6141.28 |
| | Subbase | 6.11 | 82.19 | 4552.46 |
| | Base | 5.14 | 71.7 | 4145.18 |
| | Barrera | 0 | 0 | 0 |
| P.K.: 0+480.000 | | | | |
| | Pavimento | 6.81 | 136.16 | 6277.44 |
| | Subbase | 6.11 | 122.15 | 4674.62 |
| | Base | 5.14 | 102.84 | 4248.02 |
| | Barrera | 0 | 0 | 0 |
| P.K.: 0+500.000 | | | | |
| | Pavimento | 6.81 | 136.16 | 6413.6 |
| | Subbase | 6.11 | 122.15 | 4796.77 |

| | | | | |
|-----------------|-----------|------|--------|---------|
| | Base | 5.14 | 102.84 | 4350.86 |
| | Barrera | 0 | 0 | 0 |
| P.K.: 0+520.000 | | | | |
| | Pavimento | 6.81 | 136.16 | 6549.76 |
| | Subbase | 6.11 | 122.15 | 4918.92 |
| | Base | 5.14 | 102.84 | 4453.7 |
| | Barrera | 0 | 0 | 0 |
| P.K.: 0+522.121 | | | | |
| | Pavimento | 6.81 | 14.44 | 6564.2 |
| | Subbase | 6.11 | 12.96 | 4931.88 |
| | Base | 5.14 | 10.91 | 4464.61 |
| | Barrera | 0 | 0 | 0 |
| P.K.: 0+540.000 | | | | |
| | Pavimento | 6.81 | 121.72 | 6685.92 |
| | Subbase | 6.09 | 109.06 | 5040.94 |
| | Base | 5.14 | 91.93 | 4556.54 |
| | Barrera | 0 | 0 | 0 |
| P.K.: 0+560.000 | | | | |
| | Pavimento | 6.81 | 136.16 | 6822.08 |
| | Subbase | 6.09 | 121.83 | 5162.77 |
| | Base | 5.14 | 102.84 | 4659.38 |
| | Barrera | 0 | 0 | 0 |
| P.K.: 0+574.753 | | | | |
| | Pavimento | 6.81 | 100.44 | 6922.51 |
| | Subbase | 6.09 | 89.87 | 5252.64 |
| | Base | 5.14 | 75.86 | 4735.24 |
| | Barrera | 0 | 0 | 0 |
| P.K.: 0+580.000 | | | | |
| | Pavimento | 6.81 | 35.72 | 6958.24 |
| | Subbase | 6.09 | 31.96 | 5284.6 |
| | Base | 5.14 | 26.98 | 4762.22 |
| | Barrera | 0 | 0 | 0 |
| P.K.: 0+600.000 | | | | |
| | Pavimento | 6.81 | 136.16 | 7094.4 |
| | Subbase | 6.09 | 121.83 | 5406.44 |
| | Base | 5.14 | 102.84 | 4865.06 |
| | Barrera | 0 | 0 | 0 |
| P.K.: 0+620.000 | | | | |
| | Pavimento | 6.81 | 136.16 | 7230.56 |
| | Subbase | 6.09 | 121.83 | 5528.27 |
| | Base | 5.14 | 102.84 | 4967.9 |
| | Barrera | 0 | 0 | 0 |
| P.K.: 0+640.000 | | | | |
| | Pavimento | 6.81 | 136.16 | 7366.72 |
| | Subbase | 6.09 | 121.83 | 5650.1 |
| | Base | 5.14 | 102.84 | 5070.74 |
| | Barrera | 0 | 0 | 0 |
| P.K.: 0+660.000 | | | | |
| | Pavimento | 6.81 | 136.16 | 7502.88 |
| | Subbase | 6.09 | 121.83 | 5771.94 |
| | Base | 5.14 | 102.84 | 5173.58 |
| | Barrera | 0 | 0 | 0 |
| P.K.: 0+680.000 | | | | |
| | Pavimento | 6.81 | 136.16 | 7639.04 |

| | | | | |
|-----------------|-----------|------|--------|---------|
| | Subbase | 6.09 | 121.83 | 5893.77 |
| | Base | 5.14 | 102.84 | 5276.42 |
| | Barrera | 0 | 0 | 0 |
| P.K.: 0+700.000 | | | | |
| | Pavimento | 6.81 | 136.16 | 7775.2 |
| | Subbase | 6.09 | 121.83 | 6015.6 |
| | Base | 5.14 | 102.84 | 5379.26 |
| | Barrera | 0 | 0 | 0 |
| P.K.: 0+716.519 | | | | |
| | Pavimento | 6.81 | 112.46 | 7887.66 |
| | Subbase | 6.09 | 100.63 | 6116.23 |
| | Base | 5.14 | 84.94 | 5464.2 |
| | Barrera | 0 | 0 | 0 |
| P.K.: 0+720.000 | | | | |
| | Pavimento | 6.81 | 23.7 | 7911.36 |
| | Subbase | 6.09 | 21.2 | 6137.44 |
| | Base | 5.14 | 17.9 | 5482.1 |
| | Barrera | 0 | 0 | 0 |
| P.K.: 0+740.000 | | | | |
| | Pavimento | 6.94 | 137.47 | 8048.82 |
| | Subbase | 6.19 | 122.81 | 6260.25 |
| | Base | 5.24 | 103.82 | 5585.92 |
| | Barrera | 0 | 0 | 0 |
| P.K.: 0+760.000 | | | | |
| | Pavimento | 7.63 | 145.69 | 8194.52 |
| | Subbase | 6.72 | 129.08 | 6389.33 |
| | Base | 5.76 | 109.99 | 5695.91 |
| | Barrera | 0 | 0 | 0 |
| P.K.: 0+766.225 | | | | |
| | Pavimento | 7.85 | 48.17 | 8242.69 |
| | Subbase | 6.89 | 42.34 | 6431.68 |
| | Base | 5.92 | 36.35 | 5732.27 |
| | Barrera | 0 | 0 | 0 |
| P.K.: 0+769.732 | | | | |
| | Pavimento | 7.85 | 27.51 | 8270.21 |
| | Subbase | 6.89 | 24.14 | 6455.82 |
| | Base | 5.92 | 20.76 | 5753.03 |
| | Barrera | 0 | 0 | 0 |
| P.K.: 0+773.238 | | | | |
| | Pavimento | 3.92 | 21.03 | 8291.24 |
| | Subbase | 3.44 | 18.49 | 6474.31 |
| | Base | 2.96 | 15.87 | 5768.9 |
| | Barrera | 0 | 0 | 0 |
| P.K.: 0+780.000 | | | | |
| | Pavimento | 3.81 | 27.52 | 8318.75 |
| | Subbase | 3.35 | 24.34 | 6498.65 |
| | Base | 2.87 | 20.77 | 5789.67 |
| | Barrera | 0 | 0 | 0 |
| P.K.: 0+800.000 | | | | |
| | Pavimento | 3.46 | 75.24 | 8393.99 |
| | Subbase | 3.09 | 67.01 | 6565.66 |
| | Base | 2.61 | 56.82 | 5846.49 |
| | Barrera | 0 | 0 | 0 |
| P.K.: 0+820.000 | | | | |

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|-----------------|-----------|---|-------|---------|
| | Pavimento | 0 | 35.06 | 8429.05 |
| | Subbase | 0 | 31.36 | 6597.02 |
| | Base | 0 | 26.48 | 5872.97 |
| | Barrera | 0 | 0 | 0 |
| P.K.: 0+822.944 | | | | |
| | Pavimento | 0 | 0 | 8429.05 |
| | Subbase | 0 | 0 | 6597.02 |
| | Base | 0 | 0 | 5872.97 |
| | Barrera | 0 | 0 | 0 |
| P.K.: 0+823.002 | | | | |
| | Pavimento | 0 | 0 | 8429.05 |
| | Subbase | 0 | 0 | 6597.02 |
| | Base | 0 | 0 | 5872.97 |
| | Barrera | 0 | 0 | 0 |

Alineación: Ramal SN

| | Tipo de área | Área | Vol. incremental | Vol. acumul. |
|-----------------|--------------|------------------|------------------|----------------|
| | | Metros cuadrados | Metros cúbicos | Metros cúbicos |
| P.K.: 0+000.000 | | | | |
| | Pavimento | 0 | 0 | 0 |
| | Subbase | 0 | 0 | 0 |
| | Base | 0 | 0 | 0 |
| P.K.: 0+020.000 | | | | |
| | Pavimento | 0 | 0 | 0 |
| | Subbase | 0 | 0 | 0 |
| | Base | 0 | 0 | 0 |
| P.K.: 0+040.000 | | | | |
| | Pavimento | 0 | 0 | 0 |
| | Subbase | 0 | 0 | 0 |
| | Base | 0 | 0 | 0 |
| P.K.: 0+060.000 | | | | |
| | Pavimento | 0 | 0 | 0 |
| | Subbase | 0 | 0 | 0 |
| | Base | 0 | 0 | 0 |
| P.K.: 0+080.000 | | | | |
| | Pavimento | 3.15 | 31.55 | 31.55 |
| | Subbase | 2.65 | 26.48 | 26.48 |
| | Base | 2.12 | 21.21 | 21.21 |
| P.K.: 0+100.000 | | | | |
| | Pavimento | 3.15 | 63.1 | 94.65 |
| | Subbase | 2.65 | 52.96 | 79.45 |
| | Base | 2.12 | 42.42 | 63.63 |
| P.K.: 0+120.000 | | | | |
| | Pavimento | 3.61 | 67.65 | 162.3 |
| | Subbase | 3.5 | 61.45 | 140.89 |
| | Base | 2.44 | 45.63 | 109.26 |
| P.K.: 0+140.000 | | | | |
| | Pavimento | 3.61 | 72.2 | 234.5 |
| | Subbase | 3.5 | 69.93 | 210.82 |
| | Base | 2.44 | 48.84 | 158.1 |

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|-----------------|-----------|------|-------|--------|
| P.K.: 0+160.000 | | | | |
| | Pavimento | 3.61 | 72.2 | 306.7 |
| | Subbase | 3.5 | 69.93 | 280.75 |
| | Base | 2.44 | 48.84 | 206.94 |
| P.K.: 0+178.372 | | | | |
| | Pavimento | 3.61 | 66.32 | 373.02 |
| | Subbase | 3.5 | 64.24 | 344.99 |
| | Base | 2.44 | 44.87 | 251.81 |
| P.K.: 0+180.000 | | | | |
| | Pavimento | 3.61 | 5.88 | 378.9 |
| | Subbase | 3.5 | 5.69 | 350.68 |
| | Base | 2.44 | 3.97 | 255.78 |
| P.K.: 0+200.000 | | | | |
| | Pavimento | 3.61 | 72.2 | 451.1 |
| | Subbase | 3.5 | 69.93 | 420.61 |
| | Base | 2.44 | 48.84 | 304.62 |
| P.K.: 0+220.000 | | | | |
| | Pavimento | 3.61 | 72.47 | 523.57 |
| | Subbase | 3.5 | 70.21 | 490.82 |
| | Base | 2.44 | 49.02 | 353.64 |
| P.K.: 0+240.000 | | | | |
| | Pavimento | 3.61 | 72.64 | 596.2 |
| | Subbase | 3.51 | 70.5 | 561.32 |
| | Base | 2.44 | 49.14 | 402.78 |
| P.K.: 0+251.515 | | | | |
| | Pavimento | 3.61 | 41.9 | 638.1 |
| | Subbase | 3.51 | 40.76 | 602.08 |
| | Base | 2.44 | 28.34 | 431.12 |
| P.K.: 0+260.000 | | | | |
| | Pavimento | 3.61 | 30.89 | 669 |
| | Subbase | 3.51 | 30.08 | 632.15 |
| | Base | 2.44 | 20.9 | 452.02 |
| P.K.: 0+270.250 | | | | |
| | Pavimento | 3.61 | 37.32 | 706.32 |
| | Subbase | 3.51 | 36.33 | 668.49 |
| | Base | 2.44 | 25.25 | 477.26 |
| P.K.: 0+280.000 | | | | |
| | Pavimento | 3.61 | 35.5 | 741.81 |
| | Subbase | 3.51 | 34.56 | 703.05 |
| | Base | 2.44 | 24.01 | 501.27 |
| P.K.: 0+288.985 | | | | |
| | Pavimento | 3.61 | 32.71 | 774.53 |
| | Subbase | 3.51 | 31.85 | 734.9 |
| | Base | 2.44 | 22.13 | 523.4 |
| P.K.: 0+300.000 | | | | |
| | Pavimento | 3.61 | 40.08 | 814.61 |
| | Subbase | 3.51 | 38.99 | 773.89 |
| | Base | 2.44 | 27.11 | 550.52 |
| P.K.: 0+320.000 | | | | |
| | Pavimento | 3.61 | 72.64 | 887.25 |
| | Subbase | 3.5 | 70.51 | 844.4 |
| | Base | 2.44 | 49.14 | 599.65 |
| P.K.: 0+340.000 | | | | |
| | Pavimento | 3.61 | 72.47 | 959.72 |

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|-----------------|-----------|------|-------|---------|
| | Subbase | 3.5 | 70.22 | 914.62 |
| | Base | 2.44 | 49.02 | 648.68 |
| P.K.: 0+360.000 | | | | |
| | Pavimento | 3.61 | 72.2 | 1031.92 |
| | Subbase | 3.5 | 69.93 | 984.54 |
| | Base | 2.44 | 48.84 | 697.52 |
| P.K.: 0+362.128 | | | | |
| | Pavimento | 3.61 | 7.68 | 1039.6 |
| | Subbase | 3.5 | 7.44 | 991.98 |
| | Base | 2.44 | 5.2 | 702.71 |
| P.K.: 0+380.000 | | | | |
| | Pavimento | 3.61 | 64.52 | 1104.12 |
| | Subbase | 3.5 | 62.49 | 1054.47 |
| | Base | 2.44 | 43.64 | 746.36 |
| P.K.: 0+400.000 | | | | |
| | Pavimento | 3.61 | 72.2 | 1176.32 |
| | Subbase | 3.5 | 69.93 | 1124.4 |
| | Base | 2.44 | 48.84 | 795.2 |
| P.K.: 0+420.000 | | | | |
| | Pavimento | 3.61 | 72.2 | 1248.52 |
| | Subbase | 3.5 | 69.93 | 1194.33 |
| | Base | 2.44 | 48.84 | 844.04 |
| P.K.: 0+440.000 | | | | |
| | Pavimento | 3.61 | 72.2 | 1320.72 |
| | Subbase | 3.5 | 69.93 | 1264.26 |
| | Base | 2.44 | 48.84 | 892.88 |
| P.K.: 0+460.000 | | | | |
| | Pavimento | 3.61 | 72.2 | 1392.92 |
| | Subbase | 3.5 | 69.93 | 1334.19 |
| | Base | 2.44 | 48.84 | 941.72 |
| P.K.: 0+480.000 | | | | |
| | Pavimento | 3.61 | 72.2 | 1465.12 |
| | Subbase | 3.5 | 69.93 | 1404.12 |
| | Base | 2.44 | 48.84 | 990.56 |
| P.K.: 0+500.000 | | | | |
| | Pavimento | 3.61 | 72.2 | 1537.32 |
| | Subbase | 3.5 | 69.93 | 1474.05 |
| | Base | 2.44 | 48.84 | 1039.4 |
| P.K.: 0+520.000 | | | | |
| | Pavimento | 3.61 | 72.2 | 1609.52 |
| | Subbase | 3.5 | 69.93 | 1543.97 |
| | Base | 2.44 | 48.84 | 1088.24 |
| P.K.: 0+540.000 | | | | |
| | Pavimento | 3.15 | 67.65 | 1677.17 |
| | Subbase | 2.65 | 61.45 | 1605.42 |
| | Base | 2.12 | 45.63 | 1133.87 |
| P.K.: 0+560.000 | | | | |
| | Pavimento | 3.16 | 63.1 | 1740.27 |
| | Subbase | 2.65 | 52.96 | 1658.39 |
| | Base | 2.12 | 42.42 | 1176.29 |
| P.K.: 0+580.000 | | | | |
| | Pavimento | 0 | 31.55 | 1771.82 |
| | Subbase | 0 | 26.48 | 1684.87 |
| | Base | 0 | 21.21 | 1197.5 |

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|-----------------|-----------|---|---|---------|
| P.K.: 0+600.000 | | | | |
| | Pavimento | 0 | 0 | 1771.82 |
| | Subbase | 0 | 0 | 1684.87 |
| | Base | 0 | 0 | 1197.5 |
| P.K.: 0+620.000 | | | | |
| | Pavimento | 0 | 0 | 1771.82 |
| | Subbase | 0 | 0 | 1684.87 |
| | Base | 0 | 0 | 1197.5 |
| P.K.: 0+640.000 | | | | |
| | Pavimento | 0 | 0 | 1771.82 |
| | Subbase | 0 | 0 | 1684.87 |
| | Base | 0 | 0 | 1197.5 |
| P.K.: 0+652.240 | | | | |
| | Pavimento | 0 | 0 | 1771.82 |
| | Subbase | 0 | 0 | 1684.87 |
| | Base | 0 | 0 | 1197.5 |

Alineación: Ramal SW

| | Tipo de área | Área | Vol. incremental | Vol. acumul. |
|-----------------|---------------------|-------------------------|-------------------------|-----------------------|
| | | Metros cuadrados | Metros cúbicos | Metros cúbicos |
| P.K.: 0+000.000 | | | | |
| | Pavimento | 0 | 0 | 0 |
| | Subbase | 0 | 0 | 0 |
| | Base | 0 | 0 | 0 |
| P.K.: 0+016.135 | | | | |
| | Pavimento | 0 | 0 | 0 |
| | Subbase | 0 | 0 | 0 |
| | Base | 0 | 0 | 0 |
| P.K.: 0+020.000 | | | | |
| | Pavimento | 0 | 0 | 0 |
| | Subbase | 0 | 0 | 0 |
| | Base | 0 | 0 | 0 |
| P.K.: 0+040.000 | | | | |
| | Pavimento | 0 | 0 | 0 |
| | Subbase | 0 | 0 | 0 |
| | Base | 0 | 0 | 0 |
| P.K.: 0+060.000 | | | | |
| | Pavimento | 3.8 | 38.15 | 38.15 |
| | Subbase | 3.35 | 33.54 | 33.54 |
| | Base | 2.87 | 28.79 | 28.79 |
| P.K.: 0+080.000 | | | | |
| | Pavimento | 3.8 | 76.44 | 114.59 |
| | Subbase | 3.36 | 67.26 | 100.79 |
| | Base | 2.87 | 57.69 | 86.48 |
| P.K.: 0+089.278 | | | | |
| | Pavimento | 3.8 | 35.51 | 150.1 |
| | Subbase | 3.36 | 31.3 | 132.09 |
| | Base | 2.87 | 26.8 | 113.28 |
| P.K.: 0+100.000 | | | | |
| | Pavimento | 3.8 | 41.05 | 191.15 |

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|-----------------|-----------|------|--------|---------|
| | Subbase | 3.36 | 36.2 | 168.3 |
| | Base | 2.87 | 30.98 | 144.25 |
| P.K.: 0+120.000 | | | | |
| | Pavimento | 3.8 | 76.57 | 267.71 |
| | Subbase | 3.36 | 67.53 | 235.83 |
| | Base | 2.87 | 57.78 | 202.04 |
| P.K.: 0+140.000 | | | | |
| | Pavimento | 5.21 | 90.96 | 358.67 |
| | Subbase | 4.91 | 83.41 | 319.24 |
| | Base | 3.94 | 68.76 | 270.8 |
| P.K.: 0+160.000 | | | | |
| | Pavimento | 5.21 | 105.35 | 464.02 |
| | Subbase | 4.91 | 99.28 | 418.53 |
| | Base | 3.94 | 79.74 | 350.54 |
| P.K.: 0+180.000 | | | | |
| | Pavimento | 5.21 | 105.35 | 569.37 |
| | Subbase | 4.91 | 99.28 | 517.81 |
| | Base | 3.94 | 79.74 | 430.28 |
| P.K.: 0+200.000 | | | | |
| | Pavimento | 5.21 | 105.35 | 674.72 |
| | Subbase | 4.91 | 99.28 | 617.1 |
| | Base | 3.94 | 79.74 | 510.02 |
| P.K.: 0+220.000 | | | | |
| | Pavimento | 5.21 | 105.35 | 780.07 |
| | Subbase | 4.91 | 99.28 | 716.38 |
| | Base | 3.94 | 79.74 | 589.76 |
| P.K.: 0+240.000 | | | | |
| | Pavimento | 5.21 | 105.35 | 885.43 |
| | Subbase | 4.91 | 99.28 | 815.66 |
| | Base | 3.94 | 79.74 | 669.51 |
| P.K.: 0+260.000 | | | | |
| | Pavimento | 5.21 | 105.35 | 990.78 |
| | Subbase | 4.91 | 99.28 | 914.95 |
| | Base | 3.94 | 79.74 | 749.25 |
| P.K.: 0+280.000 | | | | |
| | Pavimento | 5.21 | 105.35 | 1096.13 |
| | Subbase | 4.91 | 99.28 | 1014.23 |
| | Base | 3.94 | 79.74 | 828.99 |
| P.K.: 0+296.455 | | | | |
| | Pavimento | 5.21 | 86.68 | 1182.8 |
| | Subbase | 4.91 | 81.69 | 1095.92 |
| | Base | 3.94 | 65.61 | 894.59 |
| P.K.: 0+300.000 | | | | |
| | Pavimento | 5.21 | 18.46 | 1201.27 |
| | Subbase | 4.91 | 17.4 | 1113.32 |
| | Base | 3.94 | 13.97 | 908.57 |
| P.K.: 0+320.000 | | | | |
| | Pavimento | 5.21 | 105.35 | 1306.62 |
| | Subbase | 4.91 | 99.28 | 1212.6 |
| | Base | 3.94 | 79.74 | 988.31 |
| P.K.: 0+340.000 | | | | |
| | Pavimento | 5.21 | 105.35 | 1411.97 |
| | Subbase | 4.91 | 99.28 | 1311.89 |
| | Base | 3.94 | 79.74 | 1068.05 |

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|-----------------|-----------|------|--------|---------|
| P.K.: 0+360.000 | | | | |
| | Pavimento | 5.21 | 105.35 | 1517.32 |
| | Subbase | 4.91 | 99.28 | 1411.17 |
| | Base | 3.94 | 79.74 | 1147.79 |
| P.K.: 0+380.000 | | | | |
| | Pavimento | 5.21 | 105.35 | 1622.67 |
| | Subbase | 4.91 | 99.28 | 1510.46 |
| | Base | 3.94 | 79.74 | 1227.53 |
| P.K.: 0+400.000 | | | | |
| | Pavimento | 5.21 | 105.35 | 1728.02 |
| | Subbase | 4.91 | 99.28 | 1609.74 |
| | Base | 3.94 | 79.74 | 1307.27 |
| P.K.: 0+420.000 | | | | |
| | Pavimento | 5.21 | 105.35 | 1833.37 |
| | Subbase | 4.91 | 99.28 | 1709.03 |
| | Base | 3.94 | 79.74 | 1387.01 |
| P.K.: 0+440.000 | | | | |
| | Pavimento | 5.21 | 105.35 | 1938.72 |
| | Subbase | 4.91 | 99.28 | 1808.31 |
| | Base | 3.94 | 79.74 | 1466.76 |
| P.K.: 0+460.000 | | | | |
| | Pavimento | 5.21 | 105.35 | 2044.07 |
| | Subbase | 4.91 | 99.28 | 1907.6 |
| | Base | 3.94 | 79.74 | 1546.5 |
| P.K.: 0+480.000 | | | | |
| | Pavimento | 5.21 | 105.35 | 2149.42 |
| | Subbase | 4.91 | 99.28 | 2006.88 |
| | Base | 3.94 | 79.74 | 1626.24 |
| P.K.: 0+500.000 | | | | |
| | Pavimento | 5.21 | 105.35 | 2254.77 |
| | Subbase | 4.91 | 99.28 | 2106.16 |
| | Base | 3.94 | 79.74 | 1705.98 |
| P.K.: 0+503.632 | | | | |
| | Pavimento | 5.21 | 18.92 | 2273.69 |
| | Subbase | 4.91 | 17.83 | 2123.99 |
| | Base | 3.94 | 14.32 | 1720.3 |
| P.K.: 0+520.000 | | | | |
| | Pavimento | 5.21 | 86.11 | 2359.79 |
| | Subbase | 4.9 | 81.08 | 2205.07 |
| | Base | 3.94 | 65.18 | 1785.47 |
| P.K.: 0+540.000 | | | | |
| | Pavimento | 5.21 | 104.92 | 2464.72 |
| | Subbase | 4.89 | 98.63 | 2303.7 |
| | Base | 3.94 | 79.42 | 1864.89 |
| P.K.: 0+560.000 | | | | |
| | Pavimento | 5.21 | 104.6 | 2569.31 |
| | Subbase | 4.89 | 98.24 | 2401.94 |
| | Base | 3.94 | 79.17 | 1944.06 |
| P.K.: 0+576.775 | | | | |
| | Pavimento | 5.21 | 87.36 | 2656.68 |
| | Subbase | 4.89 | 82.06 | 2484 |
| | Base | 3.94 | 66.13 | 2010.19 |
| P.K.: 0+580.000 | | | | |
| | Pavimento | 5.21 | 16.8 | 2673.47 |

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|-----------------|-----------|------|--------|---------|
| | Subbase | 4.89 | 15.78 | 2499.78 |
| | Base | 3.94 | 12.71 | 2022.9 |
| P.K.: 0+600.000 | | | | |
| | Pavimento | 5.21 | 104.16 | 2777.63 |
| | Subbase | 4.89 | 97.83 | 2597.61 |
| | Base | 3.94 | 78.84 | 2101.74 |
| P.K.: 0+620.000 | | | | |
| | Pavimento | 5.21 | 104.16 | 2881.79 |
| | Subbase | 4.89 | 97.83 | 2695.44 |
| | Base | 3.94 | 78.84 | 2180.58 |
| P.K.: 0+640.000 | | | | |
| | Pavimento | 5.21 | 104.16 | 2985.95 |
| | Subbase | 4.89 | 97.83 | 2793.28 |
| | Base | 3.94 | 78.84 | 2259.42 |
| P.K.: 0+660.000 | | | | |
| | Pavimento | 5.21 | 104.16 | 3090.11 |
| | Subbase | 4.89 | 97.83 | 2891.11 |
| | Base | 3.94 | 78.84 | 2338.26 |
| P.K.: 0+680.000 | | | | |
| | Pavimento | 5.21 | 104.16 | 3194.27 |
| | Subbase | 4.89 | 97.83 | 2988.94 |
| | Base | 3.94 | 78.84 | 2417.1 |
| P.K.: 0+700.000 | | | | |
| | Pavimento | 5.21 | 104.16 | 3298.43 |
| | Subbase | 4.89 | 97.83 | 3086.78 |
| | Base | 3.94 | 78.84 | 2495.94 |
| P.K.: 0+720.000 | | | | |
| | Pavimento | 3.8 | 90.12 | 3388.55 |
| | Subbase | 3.35 | 82.38 | 3169.15 |
| | Base | 2.87 | 68.13 | 2564.07 |
| P.K.: 0+740.000 | | | | |
| | Pavimento | 3.8 | 76.08 | 3464.63 |
| | Subbase | 3.35 | 66.92 | 3236.07 |
| | Base | 2.87 | 57.42 | 2621.49 |
| P.K.: 0+760.000 | | | | |
| | Pavimento | 3.8 | 76.08 | 3540.71 |
| | Subbase | 3.35 | 66.92 | 3302.99 |
| | Base | 2.87 | 57.42 | 2678.91 |
| P.K.: 0+780.000 | | | | |
| | Pavimento | 2.16 | 59.59 | 3600.3 |
| | Subbase | 1.62 | 49.62 | 3352.61 |
| | Base | 1.62 | 44.87 | 2723.78 |
| P.K.: 0+800.000 | | | | |
| | Pavimento | 0.64 | 27.92 | 3628.23 |
| | Subbase | 0.48 | 20.94 | 3373.55 |
| | Base | 0.48 | 20.94 | 2744.73 |
| P.K.: 0+820.000 | | | | |
| | Pavimento | 0 | 6.37 | 3634.6 |
| | Subbase | 0 | 4.78 | 3378.33 |
| | Base | 0 | 4.78 | 2749.5 |
| P.K.: 0+840.000 | | | | |
| | Pavimento | 0 | 0 | 3634.6 |
| | Subbase | 0 | 0 | 3378.33 |
| | Base | 0 | 0 | 2749.5 |

| | | | | |
|-----------------|-----------|---|---|---------|
| P.K.: 0+860.000 | | | | |
| | Pavimento | 0 | 0 | 3634.6 |
| | Subbase | 0 | 0 | 3378.33 |
| | Base | 0 | 0 | 2749.5 |
| P.K.: 0+880.000 | | | | |
| | Pavimento | 0 | 0 | 3634.6 |
| | Subbase | 0 | 0 | 3378.33 |
| | Base | 0 | 0 | 2749.5 |
| P.K.: 0+880.144 | | | | |
| | Pavimento | 0 | 0 | 3634.6 |
| | Subbase | 0 | 0 | 3378.33 |
| | Base | 0 | 0 | 2749.5 |

Alineación: Ramal WG

| | Tipo de área | Área | Vol. incremental | Vol. acumul. |
|-----------------|--------------|------------------|------------------|----------------|
| | | Metros cuadrados | Metros cúbicos | Metros cúbicos |
| P.K.: 0+000.000 | | | | |
| | Pavimento | 0 | 0 | 0 |
| | Subbase | 0 | 0 | 0 |
| | Base | 0 | 0 | 0 |
| P.K.: 0+020.000 | | | | |
| | Pavimento | 2.8 | 28.04 | 28.04 |
| | Subbase | 2.6 | 25.96 | 25.96 |
| | Base | 2.12 | 21.21 | 21.21 |
| P.K.: 0+040.000 | | | | |
| | Pavimento | 2.8 | 56.08 | 84.12 |
| | Subbase | 2.6 | 51.92 | 77.87 |
| | Base | 2.12 | 42.42 | 63.63 |
| P.K.: 0+060.000 | | | | |
| | Pavimento | 2.8 | 56.08 | 140.2 |
| | Subbase | 2.6 | 51.92 | 129.79 |
| | Base | 2.12 | 42.42 | 106.05 |
| P.K.: 0+080.000 | | | | |
| | Pavimento | 2.8 | 56.08 | 196.28 |
| | Subbase | 2.6 | 51.92 | 181.71 |
| | Base | 2.12 | 42.42 | 148.47 |
| P.K.: 0+100.000 | | | | |
| | Pavimento | 2.8 | 56.08 | 252.36 |
| | Subbase | 2.6 | 51.92 | 233.63 |
| | Base | 2.12 | 42.42 | 190.89 |
| P.K.: 0+120.000 | | | | |
| | Pavimento | 2.8 | 56.08 | 308.44 |
| | Subbase | 2.6 | 51.92 | 285.54 |
| | Base | 2.12 | 42.42 | 233.31 |
| P.K.: 0+140.000 | | | | |
| | Pavimento | 2.8 | 56.08 | 364.52 |
| | Subbase | 2.6 | 51.92 | 337.46 |
| | Base | 2.12 | 42.42 | 275.73 |
| P.K.: 0+160.000 | | | | |
| | Pavimento | 3.81 | 66.12 | 430.64 |

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|-----------------|-----------|------|-------|--------|
| | Subbase | 3.84 | 64.38 | 401.83 |
| | Base | 2.89 | 50.13 | 325.86 |
| P.K.: 0+180.000 | | | | |
| | Pavimento | 3.81 | 76.16 | 506.8 |
| | Subbase | 3.84 | 76.83 | 478.67 |
| | Base | 2.89 | 57.84 | 383.7 |
| P.K.: 0+200.000 | | | | |
| | Pavimento | 3.81 | 76.16 | 582.96 |
| | Subbase | 3.84 | 76.83 | 555.5 |
| | Base | 2.89 | 57.84 | 441.54 |
| P.K.: 0+220.000 | | | | |
| | Pavimento | 3.81 | 76.16 | 659.12 |
| | Subbase | 3.84 | 76.83 | 632.33 |
| | Base | 2.89 | 57.84 | 499.38 |
| P.K.: 0+240.000 | | | | |
| | Pavimento | 3.81 | 76.16 | 735.28 |
| | Subbase | 3.84 | 76.83 | 709.17 |
| | Base | 2.89 | 57.84 | 557.22 |
| P.K.: 0+260.000 | | | | |
| | Pavimento | 3.81 | 76.16 | 811.44 |
| | Subbase | 3.84 | 76.83 | 786 |
| | Base | 2.89 | 57.84 | 615.06 |
| P.K.: 0+277.039 | | | | |
| | Pavimento | 0 | 32.44 | 843.88 |
| | Subbase | 0 | 32.73 | 818.73 |
| | Base | 0 | 24.64 | 639.7 |

Alineación: Ramal WS

| | Tipo de área | Área | Vol. incremental | Vol. acumul. |
|-----------------|---------------------|-------------------------|-------------------------|-----------------------|
| | | Metros cuadrados | Metros cúbicos | Metros cúbicos |
| P.K.: 0+000.000 | | | | |
| | Pavimento | 0 | 0 | 0 |
| | Subbase | 0 | 0 | 0 |
| | Base | 0 | 0 | 0 |
| P.K.: 0+020.000 | | | | |
| | Pavimento | 0 | 0 | 0 |
| | Subbase | 0 | 0 | 0 |
| | Base | 0 | 0 | 0 |
| P.K.: 0+040.000 | | | | |
| | Pavimento | 0 | 0 | 0 |
| | Subbase | 0 | 0 | 0 |
| | Base | 0 | 0 | 0 |
| P.K.: 0+060.000 | | | | |
| | Pavimento | 0 | 0 | 0 |
| | Subbase | 0 | 0 | 0 |
| | Base | 0 | 0 | 0 |
| P.K.: 0+080.000 | | | | |
| | Pavimento | 0 | 0 | 0 |
| | Subbase | 0 | 0 | 0 |
| | Base | 0 | 0 | 0 |

| | | | | |
|-----------------|-----------|------|--------|--------|
| P.K.: 0+100.000 | | | | |
| | Pavimento | 0 | 0 | 0 |
| | Subbase | 0 | 0 | 0 |
| | Base | 0 | 0 | 0 |
| P.K.: 0+120.000 | | | | |
| | Pavimento | 4.2 | 42.04 | 42.04 |
| | Subbase | 3.65 | 36.46 | 36.46 |
| | Base | 3.17 | 31.71 | 31.71 |
| P.K.: 0+140.000 | | | | |
| | Pavimento | 5.21 | 94.12 | 136.16 |
| | Subbase | 4.89 | 85.38 | 121.83 |
| | Base | 3.94 | 71.13 | 102.84 |
| P.K.: 0+160.000 | | | | |
| | Pavimento | 5.21 | 104.16 | 240.32 |
| | Subbase | 4.89 | 97.83 | 219.67 |
| | Base | 3.94 | 78.84 | 181.68 |
| P.K.: 0+180.000 | | | | |
| | Pavimento | 5.21 | 104.16 | 344.48 |
| | Subbase | 4.89 | 97.83 | 317.5 |
| | Base | 3.94 | 78.84 | 260.52 |
| P.K.: 0+180.442 | | | | |
| | Pavimento | 5.21 | 2.3 | 346.78 |
| | Subbase | 4.89 | 2.16 | 319.66 |
| | Base | 3.94 | 1.74 | 262.26 |
| P.K.: 0+200.000 | | | | |
| | Pavimento | 5.21 | 101.86 | 448.64 |
| | Subbase | 4.89 | 95.67 | 415.33 |
| | Base | 3.94 | 77.1 | 339.36 |
| P.K.: 0+220.000 | | | | |
| | Pavimento | 5.21 | 103.68 | 552.32 |
| | Subbase | 4.89 | 97.38 | 512.71 |
| | Base | 3.94 | 78.48 | 417.84 |
| P.K.: 0+240.000 | | | | |
| | Pavimento | 5.21 | 103.35 | 655.67 |
| | Subbase | 4.9 | 97.17 | 609.88 |
| | Base | 3.94 | 78.23 | 496.07 |
| P.K.: 0+253.585 | | | | |
| | Pavimento | 5.21 | 70.01 | 725.69 |
| | Subbase | 4.91 | 65.94 | 675.82 |
| | Base | 3.94 | 53 | 549.06 |
| P.K.: 0+260.000 | | | | |
| | Pavimento | 5.21 | 33.03 | 758.72 |
| | Subbase | 4.91 | 31.13 | 706.95 |
| | Base | 3.94 | 25 | 574.06 |
| P.K.: 0+261.019 | | | | |
| | Pavimento | 5.21 | 5.31 | 764.03 |
| | Subbase | 4.91 | 5 | 711.95 |
| | Base | 3.94 | 4.02 | 578.08 |
| P.K.: 0+268.454 | | | | |
| | Pavimento | 5.21 | 38.28 | 802.3 |
| | Subbase | 4.91 | 36.07 | 748.02 |
| | Base | 3.94 | 28.97 | 607.05 |
| P.K.: 0+280.000 | | | | |
| | Pavimento | 5.21 | 59.5 | 861.8 |

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|-----------------|-----------|------|--------|---------|
| | Subbase | 4.9 | 56.04 | 804.06 |
| | Base | 3.94 | 45.03 | 652.09 |
| P.K.: 0+300.000 | | | | |
| | Pavimento | 5.21 | 103.32 | 965.12 |
| | Subbase | 4.89 | 97.15 | 901.21 |
| | Base | 3.94 | 78.2 | 730.29 |
| P.K.: 0+320.000 | | | | |
| | Pavimento | 5.21 | 103.65 | 1068.77 |
| | Subbase | 4.89 | 97.35 | 998.56 |
| | Base | 3.94 | 78.45 | 808.74 |
| P.K.: 0+340.000 | | | | |
| | Pavimento | 5.21 | 104.16 | 1172.93 |
| | Subbase | 4.89 | 97.83 | 1096.4 |
| | Base | 3.94 | 78.84 | 887.58 |
| P.K.: 0+341.597 | | | | |
| | Pavimento | 5.21 | 8.32 | 1181.24 |
| | Subbase | 4.89 | 7.81 | 1104.21 |
| | Base | 3.94 | 6.3 | 893.88 |
| P.K.: 0+360.000 | | | | |
| | Pavimento | 5.21 | 95.84 | 1277.09 |
| | Subbase | 4.89 | 90.02 | 1194.23 |
| | Base | 3.94 | 72.54 | 966.42 |
| P.K.: 0+380.000 | | | | |
| | Pavimento | 5.21 | 104.16 | 1381.25 |
| | Subbase | 4.89 | 97.83 | 1292.06 |
| | Base | 3.94 | 78.84 | 1045.26 |
| P.K.: 0+400.000 | | | | |
| | Pavimento | 5.21 | 104.16 | 1485.41 |
| | Subbase | 4.89 | 97.83 | 1389.9 |
| | Base | 3.94 | 78.84 | 1124.1 |
| P.K.: 0+420.000 | | | | |
| | Pavimento | 5.21 | 104.16 | 1589.57 |
| | Subbase | 4.89 | 97.83 | 1487.73 |
| | Base | 3.94 | 78.84 | 1202.94 |
| P.K.: 0+440.000 | | | | |
| | Pavimento | 5.21 | 104.16 | 1693.73 |
| | Subbase | 4.89 | 97.83 | 1585.56 |
| | Base | 3.94 | 78.84 | 1281.78 |
| P.K.: 0+460.000 | | | | |
| | Pavimento | 5.21 | 104.16 | 1797.89 |
| | Subbase | 4.89 | 97.83 | 1683.4 |
| | Base | 3.94 | 78.84 | 1360.62 |
| P.K.: 0+480.000 | | | | |
| | Pavimento | 5.21 | 104.16 | 1902.05 |
| | Subbase | 4.89 | 97.83 | 1781.23 |
| | Base | 3.94 | 78.84 | 1439.46 |
| P.K.: 0+500.000 | | | | |
| | Pavimento | 5.21 | 104.16 | 2006.21 |
| | Subbase | 4.89 | 97.83 | 1879.06 |
| | Base | 3.94 | 78.84 | 1518.3 |
| P.K.: 0+520.000 | | | | |
| | Pavimento | 5.21 | 104.16 | 2110.37 |
| | Subbase | 4.89 | 97.83 | 1976.9 |
| | Base | 3.94 | 78.84 | 1597.14 |

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|-----------------|-----------|------|--------|---------|
| P.K.: 0+540.000 | | | | |
| | Pavimento | 5.21 | 104.16 | 2214.53 |
| | Subbase | 4.89 | 97.83 | 2074.73 |
| | Base | 3.94 | 78.84 | 1675.98 |
| P.K.: 0+560.000 | | | | |
| | Pavimento | 5.21 | 104.16 | 2318.69 |
| | Subbase | 4.89 | 97.83 | 2172.56 |
| | Base | 3.94 | 78.84 | 1754.82 |
| P.K.: 0+580.000 | | | | |
| | Pavimento | 5.21 | 104.16 | 2422.85 |
| | Subbase | 4.89 | 97.83 | 2270.4 |
| | Base | 3.94 | 78.84 | 1833.66 |
| P.K.: 0+600.000 | | | | |
| | Pavimento | 5.21 | 104.16 | 2527.01 |
| | Subbase | 4.89 | 97.83 | 2368.23 |
| | Base | 3.94 | 78.84 | 1912.5 |
| P.K.: 0+620.000 | | | | |
| | Pavimento | 5.21 | 104.16 | 2631.17 |
| | Subbase | 4.89 | 97.83 | 2466.06 |
| | Base | 3.94 | 78.84 | 1991.34 |
| P.K.: 0+640.000 | | | | |
| | Pavimento | 5.21 | 104.16 | 2735.33 |
| | Subbase | 4.89 | 97.83 | 2563.9 |
| | Base | 3.94 | 78.84 | 2070.18 |
| P.K.: 0+660.000 | | | | |
| | Pavimento | 5.21 | 104.16 | 2839.49 |
| | Subbase | 4.89 | 97.83 | 2661.73 |
| | Base | 3.94 | 78.84 | 2149.02 |
| P.K.: 0+680.000 | | | | |
| | Pavimento | 5.21 | 104.16 | 2943.65 |
| | Subbase | 4.89 | 97.83 | 2759.56 |
| | Base | 3.94 | 78.84 | 2227.86 |
| P.K.: 0+700.000 | | | | |
| | Pavimento | 5.21 | 104.16 | 3047.81 |
| | Subbase | 4.89 | 97.83 | 2857.4 |
| | Base | 3.94 | 78.84 | 2306.7 |
| P.K.: 0+713.822 | | | | |
| | Pavimento | 5.21 | 71.98 | 3119.79 |
| | Subbase | 4.89 | 67.61 | 2925.01 |
| | Base | 3.94 | 54.48 | 2361.19 |
| P.K.: 0+720.000 | | | | |
| | Pavimento | 5.21 | 32.18 | 3151.97 |
| | Subbase | 4.89 | 30.22 | 2955.23 |
| | Base | 3.94 | 24.36 | 2385.54 |
| P.K.: 0+740.000 | | | | |
| | Pavimento | 5.21 | 103.79 | 3255.76 |
| | Subbase | 4.89 | 97.49 | 3052.72 |
| | Base | 3.94 | 78.56 | 2464.1 |
| P.K.: 0+760.000 | | | | |
| | Pavimento | 5.21 | 103.33 | 3359.09 |
| | Subbase | 4.9 | 97.09 | 3149.81 |
| | Base | 3.94 | 78.21 | 2542.32 |
| P.K.: 0+780.000 | | | | |
| | Pavimento | 5.21 | 102.88 | 3461.97 |

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|-----------------|-----------|------|--------|---------|
| | Subbase | 4.91 | 96.81 | 3246.62 |
| | Base | 3.94 | 77.87 | 2620.18 |
| P.K.: 0+782.595 | | | | |
| | Pavimento | 5.21 | 13.52 | 3475.48 |
| | Subbase | 4.91 | 12.74 | 3259.36 |
| | Base | 3.94 | 10.23 | 2630.41 |
| P.K.: 0+800.000 | | | | |
| | Pavimento | 5.21 | 89.28 | 3564.76 |
| | Subbase | 4.91 | 84.13 | 3343.49 |
| | Base | 3.94 | 67.57 | 2697.99 |
| P.K.: 0+820.000 | | | | |
| | Pavimento | 5.21 | 102.59 | 3667.35 |
| | Subbase | 4.91 | 96.68 | 3440.17 |
| | Base | 3.94 | 77.65 | 2775.64 |
| P.K.: 0+840.000 | | | | |
| | Pavimento | 5.21 | 102.59 | 3769.93 |
| | Subbase | 4.91 | 96.68 | 3536.85 |
| | Base | 3.94 | 77.65 | 2853.29 |
| P.K.: 0+860.000 | | | | |
| | Pavimento | 5.21 | 102.59 | 3872.52 |
| | Subbase | 4.91 | 96.68 | 3633.52 |
| | Base | 3.94 | 77.65 | 2930.94 |
| P.K.: 0+862.106 | | | | |
| | Pavimento | 5.21 | 10.97 | 3883.49 |
| | Subbase | 4.91 | 10.34 | 3643.86 |
| | Base | 3.94 | 8.3 | 2939.24 |
| P.K.: 0+880.000 | | | | |
| | Pavimento | 5.21 | 91.78 | 3975.27 |
| | Subbase | 4.91 | 86.5 | 3730.36 |
| | Base | 3.94 | 69.47 | 3008.71 |
| P.K.: 0+900.000 | | | | |
| | Pavimento | 5.21 | 102.59 | 4077.86 |
| | Subbase | 4.91 | 96.68 | 3827.04 |
| | Base | 3.94 | 77.65 | 3086.36 |
| P.K.: 0+920.000 | | | | |
| | Pavimento | 5.21 | 102.59 | 4180.45 |
| | Subbase | 4.91 | 96.68 | 3923.72 |
| | Base | 3.94 | 77.65 | 3164.01 |
| P.K.: 0+940.000 | | | | |
| | Pavimento | 5.21 | 102.59 | 4283.04 |
| | Subbase | 4.91 | 96.68 | 4020.4 |
| | Base | 3.94 | 77.65 | 3241.66 |
| P.K.: 0+941.617 | | | | |
| | Pavimento | 5.21 | 8.42 | 4291.46 |
| | Subbase | 4.91 | 7.94 | 4028.33 |
| | Base | 3.94 | 6.37 | 3248.04 |
| P.K.: 0+960.000 | | | | |
| | Pavimento | 5.21 | 94.49 | 4385.95 |
| | Subbase | 4.9 | 88.95 | 4117.28 |
| | Base | 3.94 | 71.52 | 3319.56 |
| P.K.: 0+980.000 | | | | |
| | Pavimento | 0 | 51.62 | 4437.56 |
| | Subbase | 0 | 48.54 | 4165.83 |
| | Base | 0 | 39.07 | 3358.63 |

| | | | | |
|-----------------|-----------|---|---|---------|
| P.K.: 1+000.000 | | | | |
| | Pavimento | 0 | 0 | 4437.56 |
| | Subbase | 0 | 0 | 4165.83 |
| | Base | 0 | 0 | 3358.63 |
| P.K.: 1+010.391 | | | | |
| | Pavimento | 0 | 0 | 4437.56 |
| | Subbase | 0 | 0 | 4165.83 |
| | Base | 0 | 0 | 3358.63 |
| P.K.: 1+020.000 | | | | |
| | Pavimento | 0 | 0 | 4437.56 |
| | Subbase | 0 | 0 | 4165.83 |
| | Base | 0 | 0 | 3358.63 |
| P.K.: 1+040.000 | | | | |
| | Pavimento | 0 | 0 | 4437.56 |
| | Subbase | 0 | 0 | 4165.83 |
| | Base | 0 | 0 | 3358.63 |
| P.K.: 1+046.978 | | | | |
| | Pavimento | 0 | 0 | 4437.56 |
| | Subbase | 0 | 0 | 4165.83 |
| | Base | 0 | 0 | 3358.63 |

